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# Nurmijärvi Geophysical Observatory Magnetic Results 2004

EDITORS K. PAJUNPÄÄ AND H. NEVANLINNA

# NURMIJÄRVI GEOPHYSICAL OBSERVATORY

# MAGNETIC RESULTS 2004

**Editors K. Pajunpää and H. Nevanlinna**

**ILMATIETEEN LAITOS**
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Abstract
The magnetic yearbook of the magnetic recordings at the Nurmijärvi observatory contains tables, figures of hourly, monthly, and yearly means of the magnetic field components X, Y and Z as well as magnetic activity indices (K, Ak) in 2004. Magnetic isolines describing the distribution of geomagnetic field components in Finland 2005.0 are shown by a series of maps.

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Note

# Contents

# 1 Description of the observatory

The Nurmijärvi Geophysical Observatory of the Finnish Meteorological Institute (FMI) started recording the Earth's magnetic field in April 1952. The first yearbook was for 1953. The observatory is a part of Space Research Division (AVA).

The observatory lies in a pine forest on a moraine ridge by a lake shore, about 40 kilometers NNW of Helsinki. There are no artificial disturbance sources nearby.

Coordinates:

| | Lat. | Lon. |
|---|---|---|
| Geographical | 60°30.5′N | 24°39.3′E |
| Geomagnetic | 57°43.8′ | 113°28.8′ |
| Corr.geomagnetic | 56°49.2′ | 102°31.2′ |

The magnetic coordinates are referred to the IGRF-95 model.

| | |
|---|---|
| L-value | 3.3 |
| Height | $105m$ |

The Nurmijärvi observatory is running two digital magnetometers, which are controlled once per week with absolute measurements. An other magnetic recording instruments at the observatory is the three-component pulsation magnetometer of the Sodankylä Geophysical Observatory. The Air quality department of FMI makes continuous airborne radioactivity recording. Hydrological and meteorological observations are part of the daily routine. The Helsinki University operates the seismic station.

The observatory has a magnetic calibration and test laboratory consisting of the magnetometer calibration system and the magnetic cleanliness measuring system. The calibrations are performed with three component coils and a computer controlled measuring system. Angles between sensors are measured with accuracy better than one minute of arc and the transformation factors with 0.03% accuracy. The facility includes a temperature test system for the magnetometer sensors with good temperature control and a non-tilting pillar. The magnetic cleanliness measuring system is used for testing satellite instruments and materials. Objects are measured on a rotating table inside the big calibration coils, which can reduce the Earth's field down to zero. Common software is used both for magnetic calibrations and cleanliness measurements. The demagnetizing system operates at $3Hz$ and can generate alternating fields from $5mT$ down to $30nT$.

# 2 Recording instruments

In the variation room the Danish suspended flux gate magnetometer (FGE) is the primary instrument. The Ukrainian LEMI-004 flux gate magnetometer is the second variometer. The sensors are directed in geographic north and east directions measuring the X, Y and Z components. The temperature in the variometer room is kept constant at $18°C$. Analog voltages from the magnetometers are AD-converted in the variation room and the digital data are transferred through optical wires to the computers in the main observatory building. The Linux based software stores the data in three files as one-second, ten-seconds and one-minute averages. Timing is based on GPS time sheared through the local network. The standard one-minute values are averages over one minute periods starting and ending at a half minute

(e.g. 59:30 - 00:30, 00:30 - 01:30, 01:30 - 02:30). The given time is the starting minute at the centre of the period (00, 01, 02 etc.).

# 3 Absolute measurements

The total field (F) was measured by a Polish PMP-7 proton precession magnetometer and declination and inclination with a DI-flux-magnetometer, which consists of a flux-gate element mounted on the telescope of a non-magnetic Zeiss-Jena theodolite (010B). The absolute measurements were done on average once a week. The base line values as determined for the FGE are shown in Fig. 2.

# 4 Data processing and dissemination

In the processing the final base line values and sensitivities were used and hourly mean values were calculated. The measured base line values were followed closer than half a nanoTesla. All the digital data were visually inspected on the computer screen.

Tables showing the three-hour K-indices were computed from 10 s data using the 'FMI' algorithm. The upper limit for K=9 is $750nT$.

Daily magnetograms and K-indices were published in the monthly bulletin together with the Sodankylä Geophysical Observatory of the University of Oulu. The bulletin contains daily magnetograms of Nurmijärvi, Hankasalmi, Oulujärvi and Sodankylä, daily ionosond and riometer recordings and cosmic ray data.

Daily files of minute data were sent by e-mail for the INTERMAGNET system. INTERMAGNET CD-ROM 2002 was published in 2004 containing minute data, annual means and base line values from Nurmijärvi together with data from 88 other magnetic observatories.

# 5 IMAGE stations

The IMAGE magnetometer network consisted at the end of 2004 of 29 stations from Tartu in Estonia to Ny Ålesund on Svalbard. The principal investigator of this international project was Ari Viljanen at AVA. The observatory operated nine IMAGE stations in Finland (including Nurmijärvi) one in Estonia and one in northern Norway. At seven of the stations the service and absolute measurements were done in co-operation with the Sodankylä Geophysical Observatory of the Oulu University.

A new IMAGE station was established at Mekrijärvi (MEK) in eastern Finland. Mekrijärvi is a research station of Joensuu University.

The data sampling interval at the IMAGE stations was 10 seconds and the 10-s values were averages over the seconds 00-10, 10-20, 20-30 etc. The time stamp given for the 10-second period was the first second of that period.

Data from most of the stations was transmitted through ISDN modems to Nurmijärvi. TAR in Estonia and KEV and MEK in Finland had direct network connections and OUJ and MAS were still operated througn ordinary modems. The data of the nine stations was processed and inspected at the observatory and was sent to the AVA for IMAGE filing. Data transmission from the other IMAGE stations was also operated at the observatory.

The annual mean values are calculated for Oulujärvi ($64°31'N$, $27°14'E$) since 1993 (all days):

| Year | X | Y | Z |
|---|---|---|---|
| 1993.5 | 12971 | 1912 | 50591 |
| 1994.5 | 12953 | 1935 | 50616 |
| 1995.5 | 12951 | 1963 | 50642 |
| 1996.5 | 12937 | 1994 | 50664 |
| 1997.5 | 12926 | 2023 | 50701 |
| 1998.5 | 12912 | 2051 | 50742 |
| 1999.5 | 12902 | 2077 | 50780 |
| 2000.5 | 12892 | 2108 | 50828 |
| 2001.5 | 12889 | 2136 | 50867 |
| 2002.5 | 12886 | 2168 | 50914 |
| 2003.5 | 12870 | 2200 | 50961 |
| 2004.5 | 12878 | 2228 | 50998 |

# 6 SAMNET stations

The observatory provided 1-second data from the stations KIL, OUJ, HAN and NUR for the SAMNET magnetometer network operated by the Lancaster University in United Kingdom.

# 7 Personnel

Ph.D. Kari Pajunpää, head of the observatory
M.Sc. Anja Koistinen, assistant
Mr. Pentti Posio, technician
Ms. Tuulikki Kangas, secretary, retired for pension in Dec. 2005

# 8 IMAGE Magnetometer Network

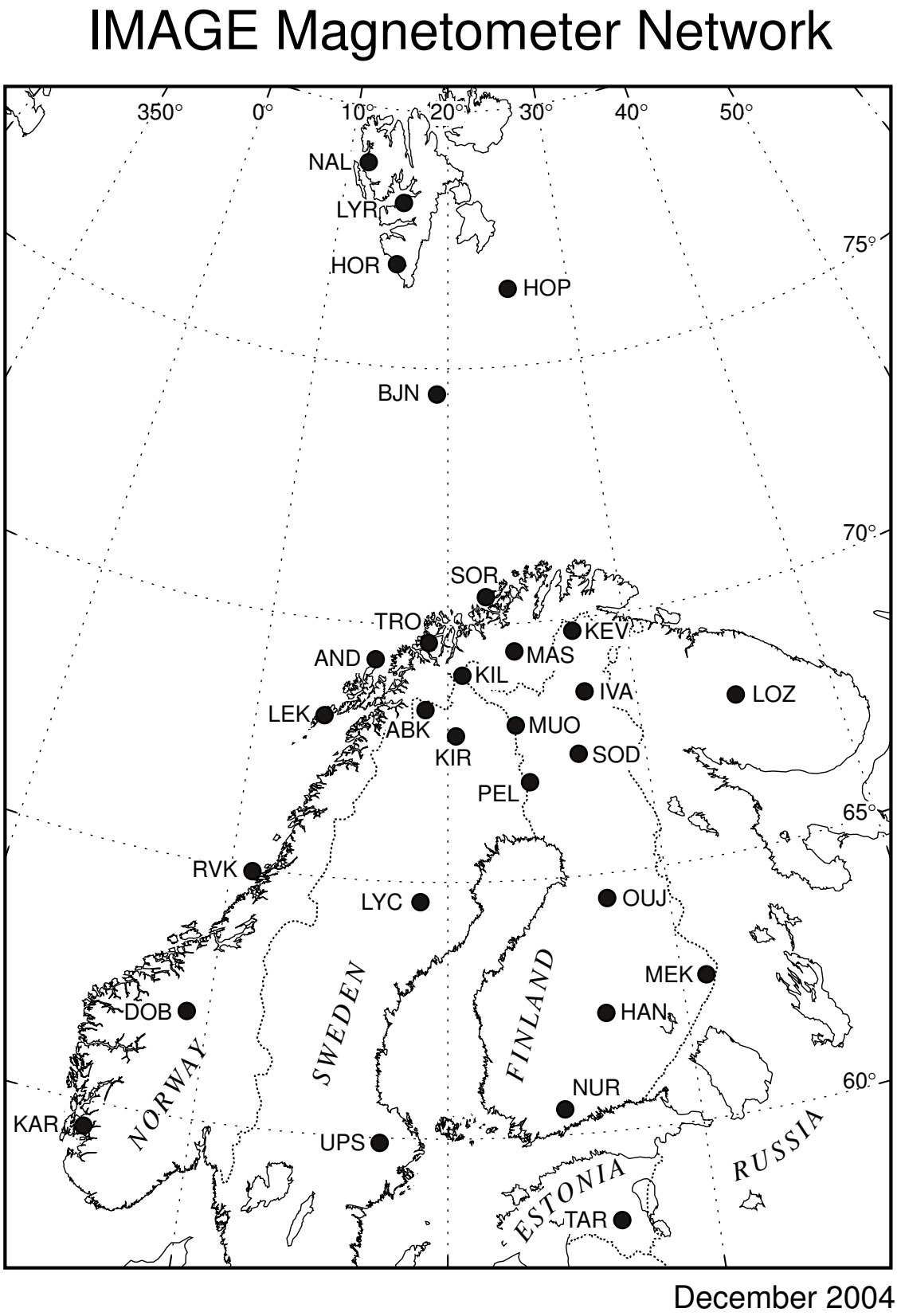
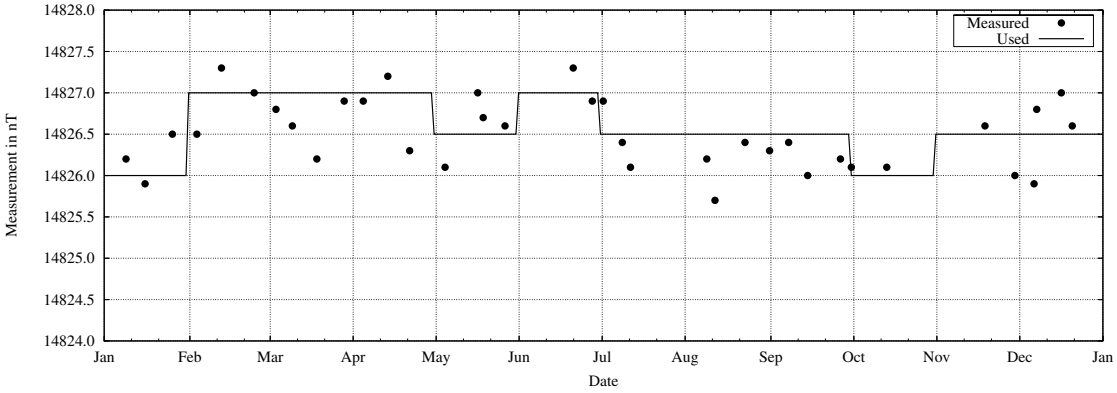
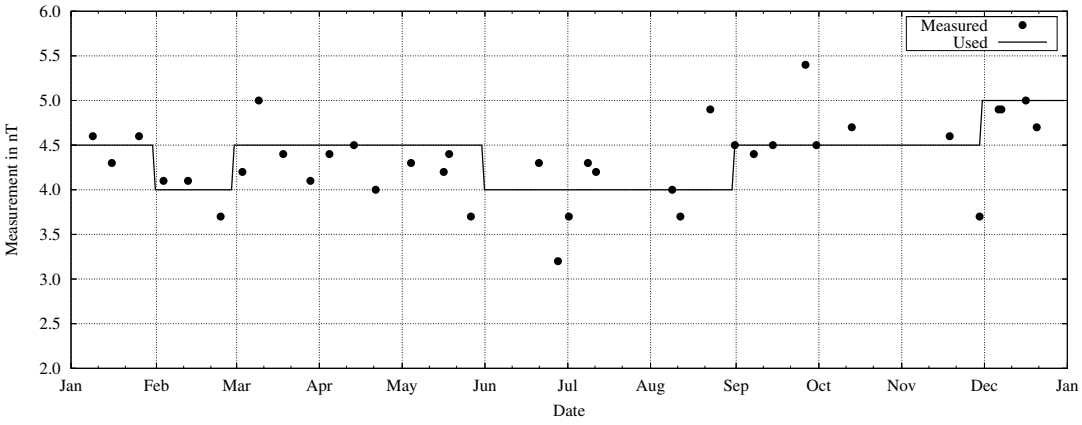



Figure 1: Map of IMAGE magnetometer network

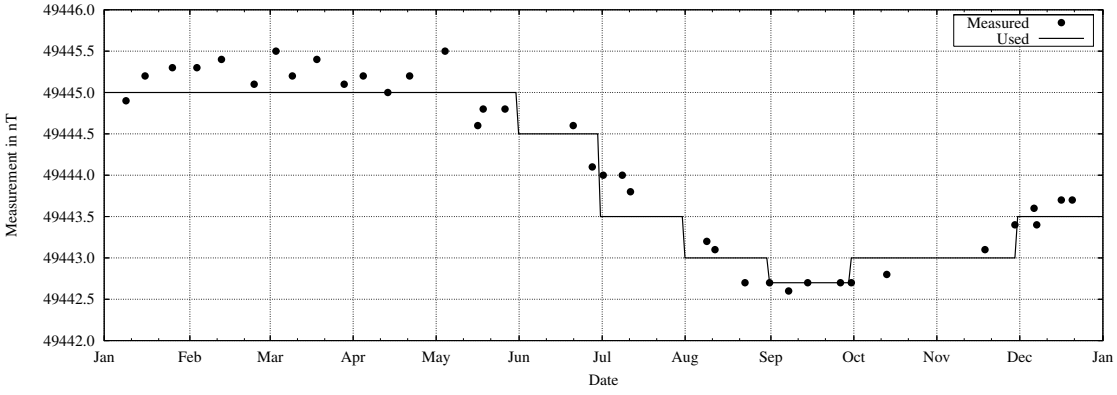
# 9 Baseline Measurements for FGE




(a) Baseline measurements for X component




(b) Baseline measurements for Y component




(c) Baseline measurements for Z component

Figure 2: Baseline measurements

# 10 Tables of Hourly Means of X, Y, and Z

Explanations of the tables:

- **X** is the North component of the magnetic vector
- **Y** is the East component of the magnetic vector
- **Z** is the vertical component of the magnetic vector
- The unit is nanotesla (nT) = $10^{-9}$ T
- The time is universal time (UTC). The local time is UTC + 2 h (during the daylight saving time UTC + 3 h)

Nurmijärvi Finland

January 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | -17 | -24 | -5 | 2 | -1 | -10 | -10 | -10 | -14 | -17 | -11 | -15 | -21 | -42 | -14 | -13 | -10 | -30 | -38 | -25 | -6 | 15 | -15 | -20 | -15 |
| 2 | | -21 | -11 | -2 | -5 | -2 | -3 | -9 | -11 | -12 | -16 | -15 | -9 | -8 | -21 | -29 | -20 | -9 | -20 | -22 | -23 | -3 | -4 | 0 | -5 | -12 |
| 3 | | -3 | -6 | 6 | 16 | 11 | 2 | 4 | -6 | -8 | -32 | -36 | -26 | -27 | -24 | -19 | -17 | -14 | -10 | -14 | -26 | 10 | -19 | -16 | -14 | -11 |
| 4 | | -16 | -7 | -5 | -7 | -2 | -10 | 2 | -3 | -21 | -31 | -31 | -18 | -14 | -20 | -18 | -39 | -29 | -42 | -36 | -7 | -14 | -17 | -20 | -23 | -18 |
| 5 | | -23 | -29 | -12 | -10 | -5 | -7 | -10 | -12 | -18 | -19 | -14 | -15 | -7 | -20 | -23 | -17 | 1 | -27 | -23 | -5 | -18 | -35 | 1 | -33 | -16 |
| 6 | | -43 | -25 | -19 | -13 | -5 | -8 | -11 | 0 | -8 | -17 | -13 | -5 | -4 | -7 | -11 | -13 | -14 | -16 | -21 | -13 | -10 | -31 | -13 | -27 | -14 |
| 7 | D | -23 | -28 | -24 | -28 | -13 | -26 | -38 | -32 | -52 | -30 | -14 | -14 | -23 | -15 | -23 | -39 | -30 | -34 | -38 | -26 | -27 | -19 | -21 | -20 | -26 |
| 8 | Q | -18 | -16 | -14 | -11 | -10 | -12 | -11 | -11 | -10 | -11 | -7 | -16 | -12 | -12 | -7 | -9 | -11 | -11 | -12 | -14 | -6 | -11 | 1 | -6 | -11 |
| 9 | | -24 | -31 | -12 | -5 | -5 | -3 | 2 | -31 | -39 | -28 | -28 | -22 | -9 | -10 | -21 | -23 | -1 | -3 | -15 | 12 | -6 | -28 | -31 | -29 | -16 |
| 10 | | -24 | -26 | -5 | -8 | -13 | 0 | 8 | -11 | -33 | -21 | -10 | -5 | -2 | -4 | -7 | -14 | -19 | -14 | -12 | -15 | -21 | -13 | -18 | -18 | -13 |
| 11 | | -17 | -16 | -15 | -15 | -12 | -7 | -3 | -4 | -14 | -15 | -20 | -15 | -18 | -4 | -30 | -30 | -15 | -54 | -27 | -19 | -15 | -5 | -18 | -18 | -17 |
| 12 | Q | -16 | -14 | -12 | -8 | -11 | -7 | -10 | -10 | -8 | -6 | -5 | -2 | -1 | -10 | -9 | -24 | -28 | -20 | -13 | 3 | -34 | -24 | -9 | -31 | -13 |
| 13 | | -29 | -27 | -21 | -17 | -12 | -9 | -10 | -12 | -13 | -11 | -8 | -7 | 2 | -17 | -18 | -11 | 1 | -13 | -36 | -17 | -15 | -9 | 12 | -18 | -13 |
| 14 | Q | -30 | -36 | -22 | -21 | -14 | -16 | -10 | -5 | 0 | 4 | 1 | -9 | -18 | -12 | -9 | -14 | -17 | -15 | -22 | -18 | -22 | -11 | -13 | -10 | -14 |
| 15 | | -10 | -12 | -14 | -21 | -17 | -14 | -7 | -7 | -4 | 1 | 3 | 3 | 1 | 6 | -6 | -39 | -18 | -19 | -35 | -27 | -20 | -31 | -27 | -40 | -15 |
| 16 | D | -50 | -28 | -31 | -25 | -22 | -14 | -9 | -3 | -10 | -17 | -14 | -31 | -26 | -16 | -11 | -9 | -16 | -17 | -34 | -39 | -18 | -21 | -29 | -24 | -21 |
| 17 | | -27 | -26 | -27 | -25 | -17 | -8 | -9 | -11 | -15 | -22 | -18 | -16 | -21 | -6 | -13 | -7 | 1 | -13 | -7 | -20 | -19 | 2 | 1 | -18 | -14 |
| 18 | | -16 | -16 | -17 | -18 | -17 | -17 | -2 | -3 | -9 | -14 | -14 | -12 | -14 | -9 | -3 | -3 | -9 | -7 | -7 | -8 | 10 | -20 | -23 | -23 | -11 |
| 19 | | -25 | -18 | -16 | -9 | -7 | -10 | -9 | -7 | -14 | -15 | -21 | -24 | -11 | -14 | -32 | -15 | -9 | -34 | -37 | -24 | -23 | -12 | -13 | -22 | -18 |
| 20 | | -8 | -22 | -18 | -23 | -2 | 4 | -11 | -21 | -18 | -20 | -19 | -18 | -24 | -28 | -30 | -24 | -9 | -31 | -28 | -19 | -19 | -16 | -4 | -30 | -18 |
| 21 | | -23 | -13 | -15 | -15 | -18 | -9 | -5 | -13 | -31 | -16 | -19 | -27 | -29 | -23 | -7 | -15 | -18 | -11 | -5 | 12 | -12 | -13 | -12 | -13 | -15 |
| 22 | D | -16 | -4 | -13 | -8 | -20 | -9 | 17 | 9 | -3 | 2 | 10 | -5 | -7 | 22 | 9 | -23 | -17 | -28 | -45 | -79 | -84 | -99 | -123 | -91 | -25 |
| 23 | D | -81 | -51 | -28 | -33 | -39 | -40 | -22 | -31 | -40 | -32 | -39 | -36 | -38 | -23 | -37 | -15 | 60 | -13 | -34 | -3 | -59 | -48 | -23 | -51 | -31 |
| 24 | | -89 | -85 | -26 | -23 | -13 | -9 | -16 | -18 | -20 | -30 | -33 | -25 | -21 | -11 | -11 | -9 | -7 | -13 | -9 | -34 | -21 | -28 | -21 | -29 | -25 |
| 25 | D | -58 | -21 | 1 | -76 | -3 | -29 | -46 | -44 | -36 | -36 | -39 | -48 | -31 | -7 | -2 | -14 | 5 | -18 | -20 | -20 | -46 | -37 | -65 | -51 | -31 |
| 26 | | -46 | -36 | -32 | -28 | -15 | -19 | -17 | -18 | -25 | -19 | -20 | -23 | -18 | -14 | -21 | -19 | -15 | -16 | -12 | 6 | -52 | -29 | -21 | -35 | -23 |
| 27 | | -45 | -65 | -45 | -31 | -21 | -21 | -18 | -15 | -19 | -21 | -18 | -17 | -6 | -6 | -7 | 0 | -16 | -11 | -19 | -10 | -7 | -2 | 2 | 12 | -17 |
| 28 | | -25 | 7 | -15 | -4 | 2 | 3 | -12 | -6 | 0 | -3 | -8 | -7 | -22 | -14 | -6 | -9 | -25 | -30 | -19 | -1 | 3 | -18 | -6 | -11 | -9 |
| 29 | Q | -12 | -7 | -6 | -7 | -3 | -4 | -1 | 0 | -2 | -6 | -19 | -42 | -32 | -15 | -6 | -5 | -5 | -6 | -6 | -8 | -8 | -13 | -12 | 0 | -9 |
| 30 | | 9 | 0 | -4 | 0 | 6 | 10 | 14 | 8 | 4 | 1 | -10 | -41 | -35 | -27 | -13 | -20 | -14 | -13 | -9 | -13 | -10 | -1 | -12 | -2 | -7 |
| 31 | Q | -6 | -7 | -9 | -4 | 2 | 3 | 4 | -2 | -10 | -10 | -13 | -20 | -16 | -12 | -9 | -9 | -7 | -4 | -11 | -9 | -13 | -4 | -2 | -4 | -7 |
| All | | -27 | -23 | -15 | -15 | -10 | -10 | -8 | -11 | -16 | -16 | -16 | -18 | -16 | -13 | -14 | -17 | -10 | -19 | -21 | -16 | -19 | -19 | -18 | -23 | -16 |
| Quiet | | -17 | -16 | -13 | -10 | -7 | -7 | -6 | -5 | -6 | -6 | -9 | -18 | -16 | -12 | -8 | -12 | -13 | -11 | -13 | -9 | -16 | -13 | -7 | -10 | -11 |
| Dist. | | -46 | -26 | -19 | -34 | -19 | -24 | -20 | -20 | -28 | -23 | -19 | -27 | -25 | -8 | -13 | -20 | 1 | -22 | -34 | -33 | -47 | -45 | -52 | -47 | -27 |

January 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 248 | 256 | 241 | 256 | 254 | 246 | 246 | 238 | 239 | 247 | 233 | 235 | 233 | 249 | 240 | 241 | 246 | 272 | 312 | 279 | 276 | 252 | 264 | 248 | 252 |
| 2 | | 248 | 244 | 225 | 255 | 249 | 245 | 249 | 248 | 245 | 245 | 243 | 241 | 241 | 248 | 266 | 241 | 239 | 242 | 278 | 266 | 283 | 236 | 253 | 248 | 249 |
| 3 | | 243 | 242 | 235 | 231 | 239 | 234 | 235 | 236 | 238 | 249 | 259 | 238 | 233 | 248 | 235 | 266 | 247 | 245 | 251 | 266 | 337 | 280 | 256 | 246 | 249 |
| 4 | | 242 | 232 | 243 | 243 | 238 | 225 | 232 | 237 | 245 | 246 | 243 | 232 | 232 | 238 | 274 | 304 | 244 | 280 | 265 | 249 | 254 | 265 | 266 | 253 | 249 |
| 5 | | 242 | 226 | 215 | 235 | 220 | 234 | 247 | 245 | 248 | 251 | 239 | 242 | 239 | 238 | 294 | 246 | 298 | 277 | 266 | 251 | 259 | 271 | 252 | 279 | 251 |
| 6 | | 254 | 229 | 256 | 241 | 241 | 235 | 239 | 236 | 237 | 242 | 242 | 241 | 245 | 245 | 241 | 243 | 253 | 253 | 274 | 255 | 250 | 281 | 318 | 289 | 252 |
| 7 | D | 272 | 262 | 240 | 223 | 215 | 195 | 214 | 227 | 208 | 229 | 240 | 255 | 268 | 255 | 295 | 263 | 248 | 301 | 286 | 276 | 252 | 258 | 257 | 256 | 250 |
| 8 | Q | 255 | 248 | 250 | 249 | 247 | 247 | 247 | 246 | 244 | 245 | 244 | 249 | 247 | 254 | 248 | 244 | 245 | 244 | 253 | 251 | 251 | 248 | 237 | 279 | 249 |
| 9 | | 287 | 268 | 250 | 252 | 239 | 229 | 214 | 228 | 191 | 217 | 235 | 239 | 251 | 243 | 263 | 290 | 262 | 244 | 267 | 270 | 297 | 261 | 253 | 262 | 250 |
| 10 | | 267 | 256 | 277 | 252 | 241 | 241 | 227 | 229 | 217 | 227 | 234 | 238 | 246 | 250 | 243 | 244 | 266 | 243 | 274 | 259 | 245 | 243 | 252 | 256 | 247 |
| 11 | | 256 | 256 | 252 | 250 | 249 | 246 | 244 | 240 | 237 | 228 | 236 | 252 | 259 | 253 | 301 | 248 | 321 | 304 | 274 | 259 | 286 | 268 | 253 | 251 | 259 |
| 12 | Q | 248 | 250 | 248 | 250 | 247 | 247 | 246 | 243 | 241 | 240 | 239 | 235 | 238 | 241 | 241 | 243 | 244 | 243 | 261 | 260 | 278 | 266 | 259 | 278 | 249 |
| 13 | | 268 | 269 | 247 | 244 | 254 | 251 | 247 | 247 | 247 | 243 | 239 | 239 | 238 | 240 | 246 | 242 | 264 | 351 | 302 | 256 | 260 | 263 | 283 | 246 | 258 |
| 14 | Q | 258 | 260 | 248 | 258 | 260 | 257 | 253 | 243 | 237 | 234 | 235 | 239 | 238 | 237 | 262 | 235 | 237 | 235 | 249 | 256 | 258 | 255 | 262 | 255 | 248 |
| 15 | | 253 | 262 | 267 | 262 | 253 | 257 | 256 | 250 | 242 | 239 | 235 | 237 | 240 | 243 | 275 | 240 | 218 | 277 | 244 | 253 | 308 | 301 | 296 | 277 | 258 |
| 16 | D | 268 | 243 | 272 | 264 | 259 | 253 | 255 | 250 | 244 | 240 | 239 | 242 | 230 | 243 | 244 | 241 | 247 | 353 | 272 | 282 | 319 | 297 | 290 | 290 | 264 |
| 17 | | 259 | 253 | 251 | 251 | 244 | 247 | 250 | 247 | 243 | 238 | 246 | 240 | 238 | 242 | 242 | 250 | 266 | 250 | 286 | 262 | 256 | 280 | 268 | 253 | 253 |
| 18 | | 250 | 253 | 246 | 250 | 249 | 263 | 249 | 245 | 245 | 243 | 240 | 237 | 237 | 239 | 248 | 246 | 242 | 245 | 247 | 255 | 267 | 274 | 283 | 267 | 251 |
| 19 | | 259 | 255 | 253 | 253 | 251 | 254 | 250 | 251 | 244 | 243 | 235 | 240 | 229 | 224 | 239 | 234 | 280 | 263 | 273 | 262 | 270 | 238 | 264 | 258 | 251 |
| 20 | | 276 | 278 | 254 | 240 | 235 | 247 | 257 | 253 | 249 | 243 | 238 | 234 | 232 | 264 | 244 | 279 | 294 | 255 | 257 | 262 | 278 | 276 | 275 | 276 | 258 |
| 21 | | 253 | 252 | 253 | 255 | 248 | 244 | 249 | 253 | 256 | 249 | 244 | 239 | 244 | 248 | 262 | 239 | 238 | 246 | 255 | 309 | 286 | 276 | 274 | 265 | 256 |
| 22 | D | 254 | 233 | 252 | 267 | 247 | 237 | 258 | 261 | 269 | 254 | 233 | 245 | 272 | 251 | 258 | 271 | 275 | 266 | 287 | 336 | 319 | 312 | 290 | 299 | 269 |
| 23 | D | 288 | 291 | 274 | 234 | 239 | 228 | 235 | 229 | 239 | 247 | 240 | 240 | 265 | 228 | 239 | 236 | 271 | 380 | 305 | 262 | 274 | 291 | 287 | 277 | 263 |
| 24 | | 258 | 221 | 246 | 256 | 255 | 247 | 248 | 252 | 251 | 249 | 243 | 246 | 246 | 247 | 242 | 242 | 243 | 244 | 281 | 262 | 261 | 274 | 280 | 303 | 254 |
| 25 | D | 313 | 325 | 294 | 257 | 273 | 264 | 258 | 231 | 247 | 251 | 227 | 226 | 232 | 230 | 233 | 264 | 233 | 230 | 281 | 267 | 289 | 295 | 295 | 275 | 262 |
| 26 | | 263 | 260 | 254 | 248 | 252 | 252 | 252 | 254 | 256 | 252 | 238 | 242 | 247 | 242 | 261 | 237 | 242 | 243 | 262 | 287 | 321 | 289 | 265 | 273 | 258 |
| 27 | | 302 | 296 | 293 | 273 | 258 | 252 | 257 | 255 | 249 | 247 | 240 | 234 | 234 | 236 | 288 | 242 | 280 | 270 | 246 | 247 | 247 | 249 | 258 | 252 | 258 |
| 28 | | 272 | 188 | 275 | 268 | 253 | 235 | 227 | 236 | 237 | 242 | 239 | 234 | 240 | 245 | 246 | 245 | 254 | 278 | 266 | 283 | 262 | 268 | 253 | 266 | 251 |
| 29 | Q | 253 | 251 | 249 | 247 | 244 | 241 | 243 | 247 | 247 | 245 | 240 | 235 | 230 | 239 | 243 | 247 | 246 | 243 | 245 | 252 | 266 | 270 | 268 | 262 | 248 |
| 30 | | 262 | 254 | 253 | 247 | 237 | 235 | 239 | 233 | 231 | 238 | 240 | 239 | 236 | 243 | 245 | 262 | 248 | 251 | 248 | 248 | 273 | 286 | 253 | 258 | 248 |
| 31 | Q | 250 | 241 | 237 | 242 | 246 | 245 | 243 | 244 | 242 | 239 | 239 | 252 | 245 | 242 | 244 | 248 | 246 | 247 | 251 | 257 | 257 | 255 | 253 | 254 | 247 |
| All | | 262 | 253 | 253 | 250 | 246 | 243 | 244 | 243 | 241 | 242 | 239 | 240 | 242 | 243 | 255 | 251 | 256 | 267 | 268 | 266 | 275 | 270 | 268 | 266 | 254 |
| Quiet | | 253 | 250 | 246 | 249 | 249 | 247 | 246 | 245 | 242 | 241 | 239 | 242 | 240 | 243 | 248 | 243 | 244 | 243 | 252 | 255 | 262 | 259 | 256 | 266 | 248 |
| Dist. | | 279 | 271 | 266 | 249 | 247 | 235 | 244 | 240 | 241 | 244 | 236 | 241 | 253 | 241 | 254 | 255 | 255 | 306 | 286 | 284 | 290 | 290 | 284 | 279 | 261 |

January 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 258 | 245 | 227 | 242 | 248 | 258 | 269 | 272 | 275 | 280 | 277 | 277 | 284 | 301 | 286 | 283 | 280 | 300 | 315 | 289 | 279 | 215 | 236 | 261 | 269 |
| 2 | | 256 | 247 | 237 | 243 | 257 | 261 | 265 | 267 | 268 | 269 | 271 | 272 | 277 | 284 | 278 | 274 | 283 | 293 | 288 | 278 | 230 | 251 | 254 | 266 | |
| 3 | | 263 | 257 | 250 | 249 | 249 | 256 | 261 | 264 | 270 | 285 | 296 | 288 | 284 | 283 | 285 | 290 | 282 | 276 | 276 | 286 | 243 | 235 | 255 | 260 | 268 |
| 4 | | 251 | 224 | 231 | 249 | 254 | 257 | 258 | 264 | 270 | 280 | 280 | 280 | 288 | 285 | 303 | 319 | 292 | 314 | 288 | 245 | 261 | 252 | 252 | 251 | 269 |
| 5 | | 251 | 232 | 216 | 237 | 249 | 258 | 268 | 270 | 270 | 268 | 266 | 274 | 274 | 284 | 298 | 286 | 304 | 282 | 293 | 243 | 257 | 259 | 213 | 198 | 260 |
| 6 | | 237 | 251 | 229 | 254 | 267 | 260 | 265 | 266 | 268 | 270 | 269 | 272 | 272 | 271 | 272 | 274 | 277 | 276 | 281 | 277 | 269 | 256 | 198 | 172 | 258 |
| 7 | D | 255 | 249 | 250 | 252 | 248 | 245 | 260 | 277 | 286 | 287 | 300 | 303 | 343 | 335 | 345 | 318 | 297 | 307 | 293 | 276 | 230 | 252 | 268 | 271 | 281 |
| 8 | Q | 268 | 266 | 268 | 269 | 269 | 269 | 269 | 267 | 268 | 270 | 270 | 270 | 276 | 274 | 271 | 271 | 272 | 273 | 273 | 276 | 271 | 268 | 253 | 236 | 268 |
| 9 | | 241 | 242 | 249 | 256 | 255 | 255 | 252 | 262 | 269 | 275 | 280 | 280 | 280 | 280 | 290 | 301 | 318 | 308 | 321 | 325 | 276 | 290 | 291 | 271 | 278 |
| 10 | | 260 | 244 | 246 | 240 | 246 | 256 | 257 | 261 | 268 | 278 | 281 | 276 | 276 | 274 | 278 | 284 | 303 | 292 | 285 | 279 | 292 | 283 | 279 | 279 | 271 |
| 11 | | 276 | 274 | 271 | 271 | 271 | 271 | 271 | 271 | 272 | 276 | 283 | 290 | 309 | 295 | 317 | 292 | 295 | 293 | 287 | 273 | 272 | 260 | 265 | 270 | 280 |
| 12 | Q | 270 | 270 | 270 | 269 | 269 | 269 | 269 | 269 | 267 | 268 | 270 | 271 | 272 | 273 | 275 | 285 | 297 | 295 | 293 | 232 | 235 | 204 | 201 | 242 | 264 |
| 13 | | 261 | 262 | 259 | 262 | 269 | 268 | 269 | 271 | 273 | 272 | 270 | 272 | 277 | 280 | 287 | 297 | 296 | 287 | 287 | 297 | 295 | 294 | 263 | 255 | 276 |
| 14 | Q | 260 | 263 | 265 | 266 | 265 | 266 | 266 | 264 | 266 | 269 | 271 | 274 | 275 | 277 | 282 | 280 | 287 | 292 | 300 | 292 | 286 | 279 | 277 | 274 | 275 |
| 15 | | 270 | 270 | 268 | 269 | 267 | 265 | 268 | 268 | 267 | 268 | 266 | 263 | 265 | 269 | 281 | 314 | 310 | 318 | 312 | 298 | 291 | 268 | 266 | 224 | 276 |
| 16 | D | 223 | 241 | 249 | 256 | 264 | 263 | 268 | 268 | 267 | 272 | 276 | 290 | 294 | 294 | 283 | 279 | 288 | 306 | 288 | 284 | 230 | 215 | 247 | 241 | 266 |
| 17 | | 256 | 267 | 270 | 265 | 266 | 268 | 271 | 275 | 274 | 276 | 284 | 281 | 281 | 285 | 282 | 280 | 282 | 281 | 290 | 268 | 273 | 269 | 249 | 266 | 273 |
| 18 | | 268 | 265 | 267 | 255 | 258 | 258 | 260 | 257 | 256 | 261 | 267 | 270 | 274 | 276 | 273 | 273 | 275 | 275 | 274 | 273 | 265 | 229 | 244 | 256 | 264 |
| 19 | | 266 | 261 | 266 | 270 | 271 | 267 | 271 | 270 | 264 | 263 | 265 | 271 | 272 | 280 | 293 | 296 | 329 | 303 | 315 | 304 | 280 | 233 | 243 | 230 | 274 |
| 20 | | 248 | 252 | 260 | 245 | 241 | 249 | 259 | 268 | 268 | 271 | 274 | 276 | 284 | 306 | 321 | 341 | 311 | 281 | 294 | 290 | 283 | 276 | 252 | 256 | 275 |
| 21 | | 256 | 261 | 271 | 271 | 271 | 269 | 270 | 270 | 270 | 275 | 279 | 280 | 281 | 293 | 292 | 294 | 296 | 291 | 284 | 285 | 257 | 266 | 258 | 258 | 275 |
| 22 | D | 261 | 214 | 178 | 197 | 219 | 222 | 224 | 230 | 242 | 250 | 259 | 331 | 414 | 427 | 422 | 382 | 361 | 359 | 328 | 248 | 167 | 179 | 160 | 164 | 268 |
| 23 | D | 161 | 205 | 237 | 238 | 241 | 262 | 279 | 278 | 275 | 291 | 305 | 335 | 340 | 336 | 328 | 345 | 445 | 421 | 326 | 401 | 230 | 243 | 266 | 250 | 293 |
| 24 | | 198 | 190 | 242 | 266 | 273 | 273 | 279 | 277 | 277 | 282 | 280 | 280 | 281 | 283 | 279 | 278 | 287 | 296 | 306 | 307 | 306 | 267 | 244 | 272 | |
| 25 | D | 202 | 150 | 99 | 97 | 160 | 228 | 246 | 248 | 264 | 276 | 285 | 304 | 317 | 310 | 349 | 334 | 348 | 368 | 401 | 340 | 317 | 273 | 241 | 218 | 266 |
| 26 | | 210 | 257 | 281 | 287 | 284 | 283 | 278 | 281 | 284 | 288 | 285 | 285 | 285 | 288 | 300 | 292 | 288 | 290 | 291 | 262 | 250 | 274 | 275 | 255 | 277 |
| 27 | | 214 | 211 | 251 | 266 | 269 | 280 | 280 | 279 | 278 | 281 | 282 | 282 | 284 | 289 | 305 | 283 | 298 | 286 | 290 | 282 | 277 | 266 | 243 | 237 | 271 |
| 28 | | 235 | 151 | 235 | 257 | 260 | 258 | 264 | 268 | 270 | 270 | 270 | 275 | 279 | 282 | 279 | 277 | 286 | 304 | 290 | 256 | 241 | 246 | 250 | 255 | 261 |
| 29 | Q | 266 | 267 | 269 | 269 | 268 | 268 | 269 | 270 | 270 | 270 | 274 | 277 | 283 | 279 | 279 | 276 | 274 | 273 | 275 | 278 | 278 | 264 | 262 | 240 | 271 |
| 30 | | 237 | 250 | 260 | 265 | 263 | 260 | 262 | 260 | 259 | 262 | 266 | 276 | 288 | 288 | 290 | 299 | 286 | 282 | 276 | 278 | 284 | 251 | 255 | 258 | 269 |
| 31 | Q | 262 | 263 | 262 | 263 | 264 | 264 | 264 | 265 | 266 | 268 | 270 | 288 | 279 | 277 | 275 | 273 | 272 | 271 | 274 | 275 | 275 | 269 | 263 | 263 | 269 |
| All | | 246 | 242 | 246 | 251 | 257 | 261 | 265 | 267 | 269 | 273 | 276 | 283 | 290 | 292 | 297 | 296 | 300 | 299 | 296 | 284 | 266 | 255 | 250 | 245 | 271 |
| Quiet | | 265 | 266 | 267 | 267 | 267 | 267 | 267 | 267 | 269 | 271 | 276 | 277 | 276 | 276 | 277 | 280 | 281 | 283 | 270 | 269 | 257 | 251 | 251 | 269 | |
| Dist. | | 221 | 212 | 203 | 208 | 226 | 244 | 255 | 260 | 267 | 275 | 285 | 312 | 342 | 340 | 345 | 332 | 348 | 352 | 327 | 310 | 235 | 232 | 236 | 229 | 275 |

Nurmijärvi Finland

February 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | -5 | -5 | -5 | -7 | 5 | 5 | 3 | 7 | 1 | -2 | -6 | -6 | -8 | -5 | -14 | -13 | -12 | -5 | -5 | -6 | -13 | 10 | -9 | -10 | -4 |
| 2 | | -7 | -5 | -3 | -1 | 2 | 7 | 8 | -24 | -9 | -14 | -27 | -25 | -26 | -20 | -23 | -15 | -17 | -9 | -20 | -10 | -6 | 23 | -7 | -16 | -10 |
| 3 | | -27 | -10 | -2 | -12 | -2 | -8 | -23 | -6 | -11 | -14 | -14 | -13 | -13 | -11 | -14 | -7 | -17 | -5 | -34 | -18 | -10 | -2 | 7 | -5 | -11 |
| 4 | | -8 | -5 | -11 | -5 | -6 | -6 | -4 | -11 | -19 | -15 | -10 | -14 | -19 | -22 | -28 | -12 | -14 | -9 | -6 | 2 | -8 | -13 | 5 | -1 | -10 |
| 5 | | -11 | -13 | -27 | 1 | 2 | 1 | -3 | -10 | -11 | -12 | -17 | -10 | -4 | -5 | -3 | -2 | -1 | -10 | -4 | 2 | 1 | -1 | -5 | -2 | -6 |
| 6 | | 3 | -1 | -3 | -2 | -1 | -4 | -39 | -8 | 1 | -3 | -22 | -47 | -19 | -10 | -11 | -14 | -5 | -12 | -20 | -7 | -11 | -8 | -1 | 0 | -10 |
| 7 | | -2 | -1 | -4 | -9 | -8 | -5 | -6 | -9 | -18 | -13 | -9 | -13 | -11 | -10 | -9 | -8 | -7 | -2 | -5 | -13 | -14 | -7 | -2 | -3 | -8 |
| 8 | Q | -4 | -2 | -1 | 0 | 1 | 0 | -2 | -1 | 0 | -1 | -1 | -3 | -7 | -8 | -6 | -2 | 3 | 5 | 8 | 6 | 4 | 8 | 6 | -1 | 0 |
| 9 | | -2 | -1 | -1 | 1 | 1 | 2 | 5 | 1 | -1 | -5 | -7 | -9 | -6 | -3 | -13 | -15 | -6 | -1 | -5 | -20 | -25 | -24 | -24 | -10 | -7 |
| 10 | Q | -16 | -12 | -9 | -8 | -7 | -6 | -8 | -1 | 1 | -1 | -12 | -4 | -3 | -5 | -10 | -7 | -3 | -12 | -1 | 1 | 2 | 0 | 0 | -4 | -5 |
| 11 | D | -5 | -1 | -5 | -8 | -8 | -6 | -7 | -6 | -4 | 1 | -2 | -3 | -21 | -17 | 4 | 59 | 240 | 261 | 11 | -38 | -39 | -37 | -24 | -33 | 13 |
| 12 | D | -32 | -28 | -34 | -31 | -23 | -32 | -35 | -43 | -32 | -19 | -26 | -25 | -22 | -18 | -18 | -19 | -36 | -43 | -34 | -17 | -32 | -30 | -48 | -33 | -30 |
| 13 | D | -54 | -23 | -14 | -33 | -16 | -15 | -10 | -16 | -27 | -31 | -23 | -21 | -14 | -24 | -16 | -25 | -1 | -26 | -23 | -11 | -33 | -47 | -19 | 0 | -22 |
| 14 | | -29 | -26 | -24 | -24 | -19 | -25 | -23 | -18 | -16 | -19 | -25 | -24 | -10 | -19 | -31 | -12 | -14 | -4 | -15 | -33 | -17 | -16 | -18 | -18 | -20 |
| 15 | D | -21 | -29 | -32 | -9 | -8 | -16 | -37 | -21 | -17 | -34 | -42 | -23 | -13 | -12 | -11 | -16 | -18 | -16 | -22 | -21 | -24 | -13 | -24 | -20 | -21 |
| 16 | | -8 | -18 | -16 | -18 | -18 | -17 | -15 | -15 | -15 | -21 | -13 | -12 | -13 | -11 | -9 | -9 | -6 | -9 | -12 | -10 | -7 | -18 | -9 | -9 | -13 |
| 17 | Q | -8 | -11 | -11 | -14 | -12 | -11 | -11 | -12 | -14 | -15 | -14 | -9 | -5 | -2 | -2 | -3 | -1 | -3 | -2 | -12 | -7 | -11 | -10 | -13 | -9 |
| 18 | | -14 | -12 | -7 | -11 | -12 | -14 | -12 | -10 | -9 | -6 | -5 | -7 | -10 | -9 | -4 | -1 | -10 | -13 | -4 | -13 | -31 | -10 | -7 | -7 | -10 |
| 19 | | -15 | -12 | -11 | -4 | -5 | -4 | -6 | -7 | -12 | -13 | -8 | -8 | -7 | -5 | -6 | -8 | -4 | -5 | 2 | -9 | -13 | -6 | 4 | -9 | -7 |
| 20 | Q | -6 | -10 | -11 | -7 | -7 | -6 | -2 | -2 | -5 | -8 | -7 | -5 | -3 | -3 | -4 | -5 | -12 | -23 | -12 | -19 | -16 | -3 | -3 | -5 | -8 |
| 21 | | -4 | -6 | 0 | -2 | -1 | -3 | -4 | -4 | -7 | -6 | -2 | -4 | -7 | -8 | -20 | -5 | -5 | -6 | -5 | 7 | 4 | 0 | 0 | -10 | -4 |
| 22 | | -5 | -3 | -2 | 4 | 8 | 6 | 3 | 2 | -1 | -5 | -6 | 5 | 5 | -1 | -18 | -18 | -16 | -5 | 0 | -6 | -8 | -8 | 0 | -2 | -3 |
| 23 | | -3 | -4 | -12 | -7 | -4 | -6 | -9 | -10 | -10 | -11 | 0 | -3 | 2 | 2 | 2 | -2 | 1 | -1 | -16 | -9 | -4 | 14 | 5 | 1 | -4 |
| 24 | | -15 | -11 | -1 | -7 | -6 | -8 | -7 | -19 | -15 | -10 | -16 | -8 | -4 | -6 | -16 | -18 | -8 | -12 | -25 | -24 | -13 | -19 | -13 | -4 | -12 |
| 25 | | -8 | -8 | -7 | -7 | -12 | -8 | -10 | -14 | -21 | -21 | -20 | -13 | -14 | -5 | -3 | -1 | 0 | 2 | 1 | -2 | -4 | -1 | 5 | -4 | -7 |
| 26 | Q | -3 | -4 | -3 | -2 | -1 | -2 | -3 | -7 | -7 | -6 | -3 | -1 | -1 | 2 | 1 | 5 | 7 | 9 | 9 | 9 | 11 | 10 | 10 | 9 | 2 |
| 27 | | 6 | 7 | 8 | 5 | 10 | 14 | 7 | -2 | -6 | -14 | -15 | -6 | 2 | 3 | 8 | 7 | 11 | 7 | 3 | -10 | -45 | -37 | -13 | 0 | -2 |
| 28 | | -4 | -5 | -5 | -2 | 2 | 3 | -14 | -19 | -20 | -24 | -25 | -39 | -23 | -18 | -2 | -27 | -3 | -6 | -1 | -2 | 19 | -1 | -14 | -12 | -10 |
| 29 | D | -3 | -4 | -8 | -3 | 9 | -6 | -1 | -6 | -9 | -13 | -7 | -51 | -23 | -4 | -25 | -13 | -9 | -11 | -6 | -17 | -10 | 21 | -12 | -18 | -10 |
| All | | -11 | -9 | -9 | -8 | -5 | -6 | -9 | -10 | -11 | -12 | -13 | -14 | -10 | -9 | -10 | -7 | 1 | 1 | -8 | -10 | -12 | -8 | -8 | -8 | -8 |
| Quiet | | -7 | -8 | -7 | -6 | -5 | -5 | -5 | -4 | -5 | -6 | -7 | -4 | -4 | -3 | -4 | -2 | -1 | -5 | 0 | -3 | -1 | 1 | 1 | -3 | -4 |
| Dist. | | -23 | -17 | -18 | -17 | -9 | -15 | -18 | -18 | -18 | -19 | -20 | -25 | -19 | -15 | -13 | -3 | 35 | 33 | -15 | -21 | -28 | -21 | -25 | -21 | -14 |

February 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 249 | 247 | 242 | 227 | 230 | 244 | 244 | 242 | 248 | 247 | 246 | 244 | 241 | 240 | 250 | 253 | 246 | 249 | 249 | 249 | 261 | 270 | 272 | 256 | 248 |
| 2 | | 252 | 248 | 249 | 248 | 248 | 245 | 241 | 228 | 228 | 228 | 232 | 235 | 246 | 254 | 236 | 246 | 305 | 285 | 262 | 251 | 255 | 289 | 267 | 251 | 251 |
| 3 | | 220 | 234 | 264 | 242 | 230 | 228 | 214 | 205 | 218 | 237 | 238 | 241 | 248 | 248 | 270 | 264 | 260 | 282 | 269 | 255 | 259 | 261 | 246 | 255 | 245 |
| 4 | | 254 | 238 | 259 | 257 | 251 | 250 | 249 | 249 | 243 | 237 | 238 | 234 | 246 | 250 | 259 | 273 | 249 | 248 | 267 | 274 | 270 | 260 | 249 | 257 | 253 |
| 5 | | 260 | 261 | 244 | 252 | 249 | 245 | 244 | 243 | 231 | 227 | 230 | 246 | 241 | 239 | 242 | 245 | 247 | 256 | 249 | 248 | 249 | 252 | 255 | 262 | 247 |
| 6 | | 246 | 257 | 253 | 252 | 249 | 244 | 192 | 210 | 237 | 238 | 234 | 238 | 244 | 241 | 250 | 264 | 287 | 287 | 304 | 279 | 255 | 250 | 243 | 243 | 250 |
| 7 | | 255 | 260 | 259 | 257 | 250 | 249 | 242 | 240 | 239 | 237 | 241 | 240 | 239 | 239 | 240 | 246 | 249 | 249 | 250 | 276 | 262 | 252 | 252 | 252 | 249 |
| 8 | Q | 252 | 252 | 251 | 250 | 249 | 248 | 250 | 251 | 252 | 248 | 244 | 241 | 240 | 239 | 243 | 246 | 245 | 245 | 244 | 245 | 249 | 265 | 259 | 251 | 248 |
| 9 | | 251 | 252 | 251 | 250 | 250 | 248 | 246 | 246 | 245 | 245 | 242 | 242 | 239 | 240 | 239 | 245 | 246 | 248 | 248 | 270 | 275 | 274 | 275 | 275 | 252 |
| 10 | Q | 260 | 252 | 252 | 250 | 250 | 249 | 246 | 241 | 237 | 236 | 242 | 238 | 236 | 236 | 246 | 241 | 246 | 269 | 249 | 247 | 249 | 251 | 266 | 263 | 248 |
| 11 | D | 256 | 253 | 255 | 254 | 253 | 252 | 251 | 252 | 249 | 241 | 236 | 224 | 222 | 201 | 203 | 230 | 202 | 242 | 263 | 267 | 258 | 264 | 286 | 282 | 246 |
| 12 | D | 271 | 269 | 271 | 268 | 263 | 258 | 235 | 212 | 225 | 229 | 242 | 241 | 234 | 249 | 253 | 253 | 340 | 319 | 253 | 276 | 239 | 296 | 303 | 267 | 261 |
| 13 | D | 254 | 247 | 281 | 271 | 268 | 238 | 244 | 240 | 238 | 244 | 250 | 233 | 244 | 238 | 271 | 252 | 274 | 258 | 266 | 261 | 284 | 277 | 280 | 303 | 259 |
| 14 | | 305 | 282 | 284 | 264 | 261 | 254 | 247 | 247 | 247 | 238 | 242 | 249 | 234 | 241 | 252 | 278 | 281 | 293 | 268 | 258 | 258 | 287 | 276 | 269 | 263 |
| 15 | D | 271 | 267 | 242 | 285 | 276 | 256 | 215 | 240 | 244 | 243 | 237 | 245 | 248 | 247 | 251 | 275 | 265 | 267 | 262 | 260 | 259 | 263 | 278 | 269 | 257 |
| 16 | | 289 | 263 | 260 | 261 | 258 | 259 | 258 | 258 | 255 | 246 | 243 | 243 | 242 | 248 | 248 | 251 | 249 | 246 | 244 | 246 | 250 | 259 | 257 | 260 | 254 |
| 17 | Q | 265 | 272 | 269 | 265 | 265 | 261 | 255 | 253 | 251 | 246 | 240 | 239 | 239 | 241 | 245 | 249 | 250 | 247 | 244 | 250 | 252 | 261 | 266 | 270 | 254 |
| 18 | | 273 | 269 | 272 | 269 | 266 | 266 | 261 | 259 | 257 | 250 | 246 | 244 | 244 | 245 | 244 | 263 | 247 | 247 | 263 | 276 | 258 | 271 | 268 | 259 | |
| 19 | | 261 | 258 | 258 | 258 | 253 | 254 | 252 | 251 | 251 | 249 | 244 | 243 | 241 | 244 | 248 | 248 | 248 | 248 | 253 | 263 | 259 | 253 | 266 | 264 | 253 |
| 20 | Q | 259 | 262 | 262 | 261 | 261 | 258 | 255 | 254 | 250 | 244 | 240 | 237 | 235 | 237 | 241 | 238 | 232 | 234 | 251 | 266 | 264 | 256 | 254 | 258 | 250 |
| 21 | | 261 | 263 | 261 | 263 | 264 | 256 | 251 | 249 | 249 | 246 | 241 | 235 | 233 | 238 | 246 | 240 | 236 | 239 | 256 | 277 | 257 | 253 | 265 | 276 | 252 |
| 22 | | 267 | 267 | 264 | 256 | 255 | 249 | 247 | 245 | 242 | 235 | 236 | 224 | 225 | 235 | 229 | 232 | 243 | 242 | 243 | 247 | 278 | 278 | 258 | 259 | 248 |
| 23 | | 255 | 262 | 260 | 250 | 255 | 256 | 253 | 250 | 242 | 240 | 228 | 229 | 230 | 236 | 237 | 244 | 245 | 243 | 262 | 263 | 255 | 257 | 288 | 278 | 251 |
| 24 | | 274 | 254 | 263 | 265 | 259 | 250 | 249 | 244 | 238 | 235 | 228 | 227 | 229 | 227 | 227 | 240 | 252 | 245 | 277 | 267 | 278 | 269 | 255 | 240 | 250 |
| 25 | | 250 | 255 | 259 | 259 | 253 | 256 | 257 | 253 | 245 | 235 | 233 | 228 | 227 | 232 | 242 | 244 | 247 | 246 | 253 | 265 | 253 | 252 | 258 | 266 | 249 |
| 26 | Q | 264 | 257 | 256 | 258 | 260 | 261 | 259 | 256 | 247 | 238 | 234 | 228 | 227 | 227 | 233 | 238 | 243 | 242 | 242 | 244 | 245 | 248 | 250 | 252 | 246 |
| 27 | | 251 | 249 | 247 | 247 | 240 | 257 | 255 | 259 | 255 | 243 | 234 | 232 | 228 | 234 | 238 | 240 | 239 | 242 | 245 | 274 | 335 | 314 | 277 | 250 | 254 |
| 28 | | 252 | 254 | 253 | 251 | 244 | 231 | 238 | 238 | 242 | 246 | 237 | 234 | 229 | 234 | 242 | 248 | 247 | 248 | 251 | 253 | 285 | 286 | 293 | 256 | 250 |
| 29 | D | 247 | 247 | 247 | 248 | 247 | 243 | 249 | 261 | 260 | 254 | 238 | 240 | 242 | 234 | 267 | 256 | 247 | 263 | 303 | 257 | 257 | 298 | 263 | 258 | 255 |
| All | | 259 | 257 | 258 | 256 | 254 | 250 | 245 | 244 | 244 | 241 | 238 | 237 | 237 | 238 | 244 | 249 | 254 | 256 | 258 | 260 | 263 | 267 | 266 | 262 | 252 |
| Quiet | | 260 | 259 | 258 | 257 | 257 | 255 | 253 | 251 | 247 | 242 | 240 | 237 | 235 | 236 | 242 | 242 | 243 | 247 | 246 | 250 | 252 | 256 | 259 | 259 | 249 |
| Dist. | | 260 | 257 | 259 | 265 | 261 | 249 | 239 | 241 | 243 | 242 | 240 | 237 | 238 | 234 | 249 | 253 | 265 | 270 | 269 | 264 | 259 | 279 | 282 | 276 | 255 |

February 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 267 | 267 | 264 | 254 | 250 | 252 | 258 | 261 | 264 | 265 | 267 | 266 | 268 | 273 | 282 | 280 | 279 | 277 | 273 | 272 | 273 | 244 | 246 | 258 | 265 |
| 2 | | 264 | 268 | 267 | 267 | 267 | 266 | 265 | 266 | 272 | 269 | 276 | 276 | 290 | 291 | 289 | 287 | 305 | 282 | 286 | 279 | 274 | 256 | 249 | 258 | 274 |
| 3 | | 210 | 225 | 243 | 244 | 244 | 248 | 250 | 256 | 259 | 264 | 269 | 274 | 284 | 281 | 293 | 287 | 297 | 279 | 284 | 285 | 277 | 262 | 253 | 257 | 264 |
| 4 | | 258 | 233 | 243 | 257 | 261 | 265 | 266 | 267 | 270 | 269 | 272 | 275 | 281 | 288 | 300 | 293 | 279 | 276 | 278 | 263 | 262 | 262 | 242 | 241 | 267 |
| 5 | | 257 | 259 | 248 | 233 | 251 | 258 | 260 | 264 | 265 | 268 | 270 | 271 | 268 | 272 | 272 | 272 | 270 | 275 | 274 | 270 | 269 | 269 | 268 | 258 | 264 |
| 6 | | 259 | 263 | 264 | 265 | 265 | 263 | 256 | 255 | 254 | 255 | 264 | 282 | 278 | 275 | 281 | 287 | 290 | 270 | 278 | 246 | 264 | 262 | 252 | 255 | 266 |
| 7 | | 254 | 248 | 250 | 256 | 261 | 263 | 264 | 264 | 264 | 269 | 267 | 269 | 275 | 270 | 272 | 272 | 272 | 271 | 272 | 278 | 272 | 270 | 268 | 266 | 266 |
| 8 | Q | 267 | 267 | 267 | 267 | 266 | 264 | 263 | 262 | 261 | 259 | 258 | 257 | 259 | 262 | 266 | 267 | 266 | 265 | 265 | 265 | 266 | 263 | 249 | 260 | 263 |
| 9 | | 265 | 265 | 264 | 264 | 264 | 263 | 263 | 265 | 267 | 268 | 267 | 268 | 269 | 272 | 276 | 277 | 273 | 271 | 273 | 287 | 283 | 275 | 274 | 267 | 270 |
| 10 | Q | 266 | 265 | 266 | 268 | 267 | 266 | 265 | 264 | 264 | 266 | 269 | 268 | 269 | 271 | 275 | 273 | 274 | 281 | 272 | 269 | 268 | 266 | 264 | 261 | 268 |
| 11 | D | 263 | 265 | 265 | 266 | 266 | 266 | 264 | 262 | 258 | 259 | 264 | 267 | 278 | 297 | 333 | 448 | 510 | 439 | 439 | 341 | 296 | 310 | 298 | 274 | 310 |
| 12 | D | 278 | 279 | 262 | 235 | 246 | 251 | 251 | 251 | 258 | 271 | 282 | 286 | 293 | 314 | 298 | 310 | 340 | 313 | 299 | 273 | 216 | 235 | 228 | 238 | 271 |
| 13 | D | 225 | 246 | 251 | 232 | 249 | 249 | 261 | 272 | 273 | 284 | 290 | 289 | 287 | 292 | 303 | 304 | 295 | 301 | 309 | 281 | 249 | 218 | 251 | 256 | 270 |
| 14 | | 238 | 247 | 250 | 263 | 268 | 270 | 274 | 278 | 280 | 281 | 283 | 281 | 284 | 306 | 307 | 317 | 288 | 281 | 277 | 269 | 278 | 260 | 237 | 264 | 274 |
| 15 | D | 267 | 258 | 212 | 215 | 240 | 247 | 248 | 251 | 259 | 273 | 297 | 286 | 282 | 277 | 277 | 290 | 295 | 294 | 289 | 271 | 280 | 267 | 245 | 237 | 265 |
| 16 | | 233 | 260 | 270 | 270 | 271 | 270 | 271 | 270 | 268 | 267 | 266 | 265 | 269 | 273 | 276 | 276 | 275 | 275 | 276 | 277 | 270 | 278 | 276 | 273 | 270 |
| 17 | Q | 271 | 268 | 268 | 269 | 269 | 267 | 265 | 268 | 268 | 268 | 269 | 271 | 272 | 274 | 275 | 274 | 274 | 273 | 272 | 278 | 279 | 281 | 279 | 277 | 272 |
| 18 | | 274 | 275 | 269 | 264 | 265 | 268 | 267 | 266 | 268 | 268 | 266 | 266 | 268 | 271 | 276 | 275 | 285 | 281 | 275 | 276 | 279 | 274 | 257 | 238 | 270 |
| 19 | | 245 | 261 | 265 | 269 | 270 | 270 | 269 | 266 | 265 | 265 | 268 | 269 | 268 | 269 | 269 | 270 | 270 | 272 | 273 | 270 | 275 | 273 | 252 | 254 | 267 |
| 20 | Q | 265 | 267 | 270 | 269 | 268 | 268 | 266 | 263 | 262 | 265 | 267 | 268 | 268 | 271 | 274 | 276 | 284 | 293 | 293 | 292 | 283 | 277 | 274 | 271 | 273 |
| 21 | | 270 | 269 | 260 | 259 | 261 | 261 | 261 | 262 | 264 | 265 | 263 | 264 | 268 | 275 | 287 | 280 | 279 | 282 | 281 | 268 | 263 | 266 | 265 | 259 | 268 |
| 22 | | 263 | 266 | 265 | 264 | 263 | 263 | 262 | 260 | 260 | 260 | 263 | 266 | 270 | 285 | 283 | 288 | 288 | 279 | 274 | 278 | 286 | 264 | 268 | 269 | 270 |
| 23 | | 269 | 266 | 263 | 264 | 265 | 264 | 265 | 266 | 265 | 266 | 265 | 267 | 265 | 266 | 271 | 272 | 269 | 272 | 286 | 280 | 274 | 255 | 251 | 254 | 267 |
| 24 | | 247 | 237 | 247 | 260 | 263 | 263 | 262 | 263 | 265 | 267 | 265 | 267 | 270 | 279 | 287 | 305 | 302 | 306 | 317 | 307 | 286 | 281 | 278 | 256 | 274 |
| 25 | | 255 | 270 | 270 | 269 | 268 | 268 | 269 | 268 | 268 | 268 | 269 | 273 | 271 | 272 | 272 | 271 | 271 | 270 | 273 | 270 | 271 | 270 | 264 | 254 | 268 |
| 26 | Q | 258 | 263 | 265 | 266 | 265 | 266 | 266 | 267 | 266 | 268 | 271 | 270 | 269 | 270 | 269 | 268 | 269 | 267 | 267 | 267 | 266 | 267 | 265 | 264 | 267 |
| 27 | | 264 | 265 | 264 | 260 | 254 | 256 | 258 | 259 | 256 | 255 | 258 | 259 | 262 | 266 | 266 | 264 | 264 | 265 | 268 | 283 | 251 | 241 | 251 | 267 | 261 |
| 28 | | 271 | 270 | 269 | 267 | 263 | 261 | 259 | 267 | 270 | 267 | 271 | 274 | 277 | 281 | 287 | 291 | 280 | 277 | 274 | 274 | 271 | 206 | 207 | 250 | 266 |
| 29 | D | 257 | 263 | 266 | 266 | 262 | 264 | 266 | 267 | 264 | 263 | 267 | 281 | 289 | 284 | 312 | 287 | 276 | 277 | 278 | 270 | 266 | 245 | 238 | 251 | 269 |
| All | | 258 | 260 | 260 | 259 | 261 | 262 | 262 | 264 | 265 | 267 | 270 | 272 | 274 | 279 | 284 | 288 | 290 | 285 | 285 | 277 | 271 | 262 | 257 | 258 | 269 |
| Quiet | | 265 | 266 | 267 | 268 | 267 | 266 | 265 | 265 | 264 | 265 | 267 | 267 | 267 | 270 | 272 | 272 | 273 | 276 | 274 | 274 | 272 | 271 | 266 | 267 | 269 |
| Dist. | | 258 | 262 | 251 | 243 | 253 | 255 | 258 | 261 | 262 | 270 | 280 | 282 | 286 | 293 | 305 | 328 | 343 | 325 | 323 | 287 | 261 | 255 | 252 | 251 | 277 |

Nurmijärvi Finland

March 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | -17 | 0 | -1 | -5 | 0 | -3 | -4 | -11 | -27 | -28 | -23 | -12 | -10 | 1 | -8 | -19 | -13 | -13 | -12 | 13 | -26 | -23 | -34 | -85 | -15 |
| 2 | D | -21 | -14 | -26 | -23 | -14 | -7 | -10 | -18 | -44 | -25 | -18 | -12 | -9 | -5 | -14 | -8 | -13 | -2 | -2 | -5 | 9 | -8 | 6 | -4 | -12 |
| 3 | | -3 | -3 | -6 | -4 | 3 | 1 | -3 | -10 | -15 | -25 | -42 | -29 | -21 | -10 | -2 | -6 | 3 | -4 | 3 | 13 | -5 | -3 | 0 | -2 | -7 |
| 4 | | 0 | -1 | -1 | 3 | 2 | 5 | 3 | -8 | -15 | -16 | -20 | -19 | -11 | -4 | -3 | -5 | -5 | 1 | 1 | -1 | -2 | 1 | 1 | 1 | -4 |
| 5 | | 2 | 1 | 5 | -1 | -3 | 5 | -9 | -11 | -14 | -17 | -20 | -7 | 0 | 1 | 2 | 1 | 0 | 2 | 1 | 3 | 2 | 2 | 5 | 1 | -2 |
| 6 | Q | 1 | -1 | -1 | -2 | 2 | 2 | 1 | -8 | -17 | -21 | -17 | -10 | -3 | 3 | 6 | 6 | 4 | 5 | 7 | 8 | 7 | 8 | 7 | 6 | 0 |
| 7 | Q | 4 | 3 | 3 | 3 | 3 | 3 | 2 | -3 | -14 | -19 | -22 | -16 | -9 | -2 | 1 | 1 | 2 | 2 | 2 | 1 | 6 | 9 | -1 | 2 | -2 |
| 8 | Q | 4 | 3 | 4 | 5 | 6 | 4 | 2 | -9 | -27 | -30 | -21 | -12 | -8 | -4 | -1 | -2 | -3 | -5 | -1 | 2 | 3 | 4 | 4 | 3 | -3 |
| 9 | D | 4 | 3 | 2 | 0 | 4 | 0 | -4 | -6 | -21 | -31 | -22 | -5 | 4 | 6 | 7 | -1 | 106 | 65 | 74 | -15 | -13 | -57 | -77 | -178 | -6 |
| 10 | D | -135 | -54 | -43 | -18 | -36 | -59 | -16 | -47 | -90 | -55 | -46 | -26 | -22 | -3 | -17 | -19 | -26 | -22 | -21 | -17 | -9 | -25 | -90 | -91 | -41 |
| 11 | D | -52 | -15 | -24 | -17 | -9 | -12 | -21 | -24 | -38 | -34 | -35 | -25 | -14 | -5 | 20 | -4 | -1 | -13 | -18 | -84 | -25 | -62 | -51 | -47 | -26 |
| 12 | D | -106 | -20 | -23 | -17 | -26 | -30 | -38 | -44 | -45 | -39 | -33 | -17 | -16 | -15 | -10 | 24 | -24 | -29 | -17 | -4 | -3 | -7 | -14 | -6 | -23 |
| 13 | | -13 | 0 | -11 | -13 | -14 | -15 | -45 | -62 | -34 | -31 | -24 | -28 | -14 | -9 | -11 | -20 | -29 | -21 | -10 | -8 | -30 | -24 | -27 | -18 | -21 |
| 14 | | -33 | -24 | -12 | -13 | -12 | -19 | -24 | -18 | -37 | -36 | -31 | -38 | -34 | -15 | -8 | -16 | -15 | -13 | -7 | -29 | -50 | -33 | -22 | -18 | -23 |
| 15 | | -17 | -9 | -7 | -20 | -5 | -6 | -15 | -19 | -22 | -37 | -27 | -25 | -13 | -21 | -3 | -4 | -14 | 1 | -13 | -12 | 4 | -8 | -12 | -16 | -13 |
| 16 | | -10 | 1 | -10 | -8 | -8 | -13 | -14 | -15 | -17 | -19 | -19 | -12 | 0 | -2 | -5 | 6 | -1 | -5 | 0 | 1 | 17 | -9 | -26 | -24 | -8 |
| 17 | | -12 | -15 | -13 | -10 | -12 | -2 | -10 | -13 | -20 | -24 | -23 | -25 | -15 | -9 | -2 | -1 | -3 | 1 | 9 | -8 | -10 | -9 | -8 | -9 | -10 |
| 18 | | -16 | -25 | -16 | -9 | -8 | -12 | -24 | -19 | -24 | -24 | -14 | -18 | -6 | -7 | -3 | -2 | -10 | -1 | 8 | -17 | -15 | -10 | -4 | -7 | -12 |
| 19 | | 7 | -10 | -4 | -5 | -3 | -8 | -10 | -16 | -19 | -21 | -17 | -14 | -3 | -3 | 7 | 4 | 3 | 2 | 0 | 3 | -4 | 0 | 6 | 4 | -4 |
| 20 | | 1 | 3 | 10 | 4 | -1 | 1 | 3 | -7 | -21 | -35 | -29 | -13 | -4 | -4 | 7 | 11 | -1 | 15 | -4 | -5 | -7 | -3 | 0 | -5 | -4 |
| 21 | | -17 | -2 | -2 | -3 | 1 | 4 | -9 | -22 | -23 | -22 | -20 | -10 | -5 | 2 | 3 | -7 | -17 | -12 | -10 | -5 | 9 | -4 | 0 | -2 | -7 |
| 22 | | -4 | -5 | -5 | -5 | -5 | -8 | -12 | -28 | -30 | -33 | -24 | -15 | -9 | 0 | 2 | -7 | 2 | 24 | -9 | -4 | -11 | -3 | -5 | -6 | -8 |
| 23 | | -11 | -19 | -12 | -1 | 0 | 0 | -11 | -15 | -19 | -23 | -19 | -14 | -11 | -5 | -5 | -1 | 1 | 2 | -1 | -6 | 11 | -4 | -1 | -4 | -7 |
| 24 | Q | -4 | -3 | -1 | 3 | 5 | 5 | -1 | -9 | -15 | -19 | -17 | -13 | -6 | -3 | -1 | -1 | 0 | 5 | 9 | 10 | 11 | 12 | 10 | 13 | 0 |
| 25 | Q | 7 | 5 | 6 | 8 | 11 | 13 | 10 | 0 | -9 | -20 | -21 | -16 | -9 | -3 | 4 | 5 | 5 | 14 | 9 | 4 | 8 | 10 | 9 | 7 | 2 |
| 26 | | 9 | 10 | 7 | 9 | 13 | 17 | 16 | 6 | -7 | -19 | -19 | -19 | 1 | -1 | 14 | 1 | 10 | -18 | -2 | -1 | 19 | -3 | -1 | -2 | 2 |
| 27 | | 1 | 3 | -2 | 0 | 6 | 8 | 6 | -8 | -11 | -18 | -14 | -36 | -18 | -4 | -3 | 8 | 14 | -14 | -18 | -6 | -4 | -13 | 5 | -22 | -6 |
| 28 | | -18 | -16 | -26 | -50 | -39 | -3 | -13 | -17 | -36 | -34 | -29 | -18 | -18 | -7 | -14 | -8 | -4 | 8 | -7 | -10 | 6 | -5 | -6 | -4 | -16 |
| 29 | | -2 | 0 | -7 | -14 | -9 | -1 | -12 | -18 | -35 | -40 | -29 | -23 | -20 | -16 | -20 | -9 | -9 | 6 | -3 | -1 | 2 | 1 | 10 | 0 | -10 |
| 30 | | -2 | -1 | -1 | -3 | -2 | -1 | -20 | -18 | -25 | -29 | -32 | -44 | -19 | 12 | 23 | -11 | -9 | -6 | -4 | -2 | 3 | 2 | 1 | 2 | -8 |
| 31 | | -4 | -7 | -10 | -6 | -5 | -8 | -9 | -17 | -37 | -42 | -36 | -27 | -15 | -4 | -8 | 0 | -8 | -4 | 2 | -9 | -3 | -1 | -1 | -2 | -11 |
| All | | -15 | -7 | -7 | -7 | -5 | -4 | -9 | -17 | -26 | -28 | -25 | -19 | -11 | -4 | -1 | -3 | -2 | -1 | -1 | -6 | -3 | -9 | -10 | -17 | -10 |
| Quiet | | 3 | 1 | 2 | 3 | 6 | 5 | 3 | -6 | -16 | -22 | -20 | -14 | -7 | -2 | 2 | 2 | 2 | 4 | 5 | 5 | 7 | 9 | 6 | 6 | -1 |
| Dist. | | -62 | -20 | -23 | -15 | -16 | -22 | -18 | -28 | -48 | -37 | -31 | -17 | -11 | -4 | -3 | -2 | 9 | 0 | 3 | -25 | -8 | -32 | -45 | -65 | -22 |

March 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 222 | 243 | 256 | 252 | 252 | 253 | 253 | 256 | 252 | 248 | 237 | 232 | 231 | 228 | 251 | 274 | 291 | 268 | 261 | 268 | 292 | 291 | 293 | 257 | 257 |
| 2 | D | 255 | 248 | 236 | 250 | 262 | 262 | 267 | 261 | 263 | 253 | 245 | 240 | 236 | 243 | 263 | 282 | 268 | 256 | 255 | 256 | 274 | 273 | 255 | 258 | 257 |
| 3 | | 253 | 248 | 242 | 246 | 253 | 254 | 255 | 258 | 250 | 242 | 244 | 230 | 245 | 235 | 241 | 265 | 270 | 253 | 278 | 271 | 262 | 252 | 249 | 250 | 252 |
| 4 | | 248 | 249 | 249 | 249 | 252 | 254 | 258 | 259 | 256 | 245 | 238 | 236 | 238 | 243 | 247 | 252 | 254 | 267 | 261 | 253 | 254 | 253 | 248 | 247 | 250 |
| 5 | | 244 | 241 | 252 | 261 | 265 | 264 | 257 | 254 | 246 | 236 | 231 | 228 | 235 | 240 | 243 | 248 | 251 | 250 | 248 | 249 | 251 | 252 | 256 | 257 | 248 |
| 6 | Q | 254 | 247 | 253 | 255 | 256 | 256 | 257 | 263 | 259 | 249 | 235 | 229 | 232 | 234 | 242 | 248 | 248 | 247 | 246 | 247 | 249 | 249 | 250 | 250 | 248 |
| 7 | Q | 252 | 253 | 254 | 255 | 257 | 258 | 262 | 264 | 261 | 252 | 242 | 233 | 230 | 231 | 238 | 246 | 246 | 249 | 253 | 253 | 250 | 262 | 258 | 253 | 250 |
| 8 | Q | 251 | 254 | 255 | 257 | 259 | 259 | 260 | 262 | 249 | 240 | 232 | 224 | 225 | 229 | 239 | 248 | 251 | 247 | 248 | 249 | 252 | 250 | 250 | 250 | 248 |
| 9 | D | 252 | 252 | 254 | 251 | 252 | 261 | 264 | 265 | 262 | 245 | 234 | 223 | 213 | 203 | 207 | 217 | 255 | 271 | 267 | 279 | 279 | 281 | 340 | 323 | 256 |
| 10 | D | 269 | 301 | 292 | 275 | 292 | 257 | 277 | 262 | 261 | 244 | 243 | 243 | 242 | 241 | 281 | 253 | 249 | 258 | 264 | 303 | 286 | 305 | 291 | 285 | 270 |
| 11 | D | 268 | 284 | 284 | 264 | 255 | 260 | 266 | 263 | 266 | 249 | 246 | 239 | 235 | 239 | 230 | 291 | 280 | 311 | 334 | 308 | 344 | 317 | 311 | 305 | 277 |
| 12 | D | 294 | 277 | 274 | 267 | 263 | 265 | 268 | 257 | 260 | 254 | 242 | 227 | 230 | 235 | 240 | 293 | 307 | 259 | 256 | 256 | 252 | 260 | 234 | 259 | 260 |
| 13 | | 264 | 253 | 271 | 269 | 268 | 272 | 259 | 220 | 237 | 243 | 225 | 228 | 228 | 233 | 250 | 251 | 250 | 253 | 287 | 289 | 287 | 291 | 277 | 282 | 258 |
| 14 | | 272 | 261 | 263 | 260 | 266 | 267 | 262 | 258 | 254 | 242 | 238 | 223 | 226 | 242 | 237 | 242 | 251 | 257 | 277 | 324 | 320 | 287 | 297 | 272 | 262 |
| 15 | | 272 | 270 | 285 | 268 | 270 | 266 | 273 | 275 | 264 | 257 | 240 | 231 | 216 | 229 | 236 | 242 | 246 | 283 | 283 | 274 | 273 | 268 | 269 | 264 | 261 |
| 16 | | 267 | 282 | 274 | 267 | 262 | 259 | 260 | 263 | 259 | 249 | 239 | 238 | 225 | 226 | 236 | 247 | 266 | 260 | 249 | 256 | 293 | 298 | 292 | 271 | 260 |
| 17 | | 252 | 279 | 270 | 268 | 266 | 263 | 265 | 263 | 257 | 250 | 238 | 233 | 227 | 233 | 238 | 247 | 252 | 259 | 277 | 262 | 262 | 265 | 264 | 267 | 257 |
| 18 | | 278 | 272 | 273 | 271 | 274 | 267 | 249 | 257 | 252 | 243 | 230 | 227 | 225 | 221 | 231 | 237 | 241 | 253 | 257 | 274 | 266 | 267 | 259 | 249 | 253 |
| 19 | | 263 | 289 | 275 | 271 | 273 | 268 | 267 | 266 | 260 | 247 | 229 | 221 | 219 | 227 | 240 | 244 | 245 | 245 | 240 | 246 | 260 | 248 | 249 | 253 | 252 |
| 20 | | 255 | 255 | 263 | 279 | 270 | 263 | 266 | 267 | 263 | 250 | 231 | 214 | 215 | 224 | 237 | 248 | 258 | 299 | 266 | 272 | 267 | 282 | 270 | 268 | 258 |
| 21 | | 265 | 269 | 263 | 255 | 261 | 263 | 262 | 259 | 253 | 235 | 222 | 218 | 208 | 210 | 242 | 235 | 251 | 261 | 274 | 266 | 281 | 260 | 256 | 254 | 251 |
| 22 | | 259 | 262 | 259 | 276 | 275 | 272 | 275 | 273 | 260 | 248 | 232 | 223 | 221 | 227 | 236 | 246 | 251 | 291 | 268 | 273 | 265 | 251 | 267 | 261 | 257 |
| 23 | | 278 | 258 | 251 | 260 | 269 | 272 | 270 | 272 | 265 | 253 | 239 | 233 | 231 | 234 | 240 | 245 | 250 | 251 | 249 | 251 | 276 | 269 | 265 | 262 | 256 |
| 24 | Q | 256 | 260 | 260 | 261 | 261 | 265 | 269 | 271 | 267 | 255 | 239 | 232 | 230 | 234 | 241 | 245 | 246 | 246 | 246 | 249 | 250 | 251 | 252 | 253 | 252 |
| 25 | Q | 255 | 256 | 255 | 255 | 256 | 260 | 265 | 272 | 268 | 256 | 238 | 224 | 216 | 220 | 231 | 241 | 241 | 247 | 254 | 252 | 247 | 245 | 250 | 255 | 248 |
| 26 | | 255 | 256 | 257 | 256 | 255 | 260 | 266 | 269 | 274 | 266 | 244 | 232 | 219 | 215 | 220 | 248 | 291 | 254 | 246 | 251 | 285 | 275 | 256 | 260 | 255 |
| 27 | | 257 | 253 | 241 | 258 | 263 | 266 | 268 | 266 | 265 | 249 | 221 | 215 | 210 | 209 | 236 | 243 | 307 | 306 | 263 | 262 | 262 | 268 | 301 | 287 | 257 |
| 28 | | 271 | 258 | 252 | 224 | 171 | 263 | 267 | 271 | 267 | 267 | 257 | 238 | 237 | 241 | 247 | 257 | 267 | 291 | 288 | 274 | 265 | 255 | 252 | 254 | 256 |
| 29 | | 258 | 258 | 258 | 252 | 246 | 259 | 269 | 271 | 267 | 255 | 242 | 236 | 229 | 231 | 244 | 248 | 267 | 291 | 257 | 252 | 249 | 248 | 254 | 256 | 254 |
| 30 | | 258 | 258 | 258 | 258 | 253 | 258 | 261 | 265 | 259 | 251 | 242 | 235 | 225 | 224 | 245 | 242 | 248 | 248 | 251 | 254 | 257 | 259 | 250 | 247 | 250 |
| 31 | | 252 | 259 | 259 | 257 | 261 | 267 | 271 | 272 | 267 | 252 | 234 | 222 | 218 | 226 | 245 | 253 | 258 | 265 | 291 | 261 | 258 | 250 | 252 | 255 | 254 |
| All | | 260 | 261 | 261 | 260 | 259 | 262 | 264 | 263 | 259 | 249 | 237 | 229 | 226 | 229 | 240 | 251 | 260 | 264 | 264 | 266 | 270 | 267 | 267 | 263 | 256 |
| Quiet | | 254 | 254 | 256 | 257 | 258 | 260 | 263 | 266 | 261 | 250 | 237 | 228 | 226 | 230 | 238 | 245 | 246 | 247 | 249 | 250 | 250 | 251 | 252 | 252 | 249 |
| Dist. | | 268 | 272 | 268 | 261 | 265 | 261 | 268 | 262 | 262 | 249 | 242 | 234 | 231 | 232 | 244 | 267 | 272 | 271 | 275 | 280 | 287 | 287 | 286 | 286 | 264 |

March 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 219 | 238 | 251 | 261 | 265 | 266 | 268 | 270 | 268 | 273 | 274 | 276 | 275 | 279 | 300 | 311 | 343 | 272 | 282 | 220 | 229 | 208 | 213 | 144 | 258 |
| 2 | D | 184 | 226 | 240 | 248 | 262 | 270 | 271 | 271 | 272 | 274 | 268 | 268 | 271 | 284 | 302 | 310 | 293 | 279 | 275 | 272 | 265 | 218 | 234 | 254 | 263 |
| 3 | | 263 | 264 | 261 | 261 | 264 | 266 | 268 | 268 | 267 | 270 | 282 | 289 | 297 | 288 | 285 | 287 | 277 | 275 | 278 | 254 | 260 | 265 | 266 | 267 | 272 |
| 4 | | 267 | 267 | 267 | 267 | 267 | 269 | 270 | 270 | 269 | 267 | 269 | 273 | 275 | 276 | 273 | 273 | 271 | 273 | 267 | 268 | 268 | 266 | 263 | 263 | 269 |
| 5 | | 259 | 254 | 250 | 256 | 263 | 263 | 261 | 258 | 256 | 258 | 261 | 264 | 263 | 265 | 266 | 266 | 267 | 267 | 267 | 266 | 267 | 267 | 264 | 265 | 262 |
| 6 | Q | 264 | 264 | 264 | 265 | 265 | 265 | 264 | 262 | 261 | 259 | 259 | 260 | 265 | 268 | 269 | 267 | 265 | 265 | 265 | 264 | 265 | 265 | 265 | 264 | 264 |
| 7 | Q | 264 | 264 | 265 | 265 | 265 | 265 | 265 | 263 | 261 | 258 | 260 | 262 | 262 | 265 | 268 | 269 | 266 | 267 | 268 | 267 | 266 | 256 | 259 | 262 | 264 |
| 8 | Q | 264 | 265 | 265 | 264 | 264 | 263 | 262 | 262 | 261 | 260 | 259 | 258 | 259 | 264 | 268 | 269 | 270 | 269 | 269 | 267 | 267 | 266 | 265 | 265 | 264 |
| 9 | D | 265 | 265 | 265 | 264 | 262 | 263 | 261 | 258 | 258 | 257 | 258 | 261 | 266 | 278 | 309 | 356 | 505 | 417 | 454 | 359 | 306 | 268 | 204 | 134 | 291 |
| 10 | D | 171 | 180 | 167 | 180 | 193 | 189 | 244 | 258 | 283 | 286 | 282 | 284 | 281 | 316 | 332 | 305 | 294 | 291 | 294 | 290 | 262 | 225 | 170 | 118 | 246 |
| 11 | D | 147 | 222 | 232 | 256 | 253 | 262 | 272 | 279 | 281 | 283 | 282 | 279 | 276 | 276 | 306 | 369 | 341 | 340 | 241 | 223 | 187 | 175 | 174 | 212 | 257 |
| 12 | D | 137 | 204 | 241 | 226 | 262 | 265 | 282 | 284 | 289 | 284 | 279 | 280 | 286 | 290 | 291 | 320 | 308 | 297 | 287 | 263 | 251 | 262 | 220 | 253 | 265 |
| 13 | | 252 | 247 | 262 | 267 | 270 | 269 | 268 | 266 | 256 | 256 | 260 | 265 | 275 | 295 | 319 | 325 | 309 | 299 | 289 | 264 | 261 | 253 | 253 | 246 | 272 |
| 14 | | 238 | 247 | 259 | 272 | 274 | 272 | 270 | 269 | 271 | 269 | 274 | 284 | 290 | 296 | 288 | 295 | 290 | 295 | 279 | 251 | 227 | 246 | 251 | 240 | 269 |
| 15 | | 256 | 258 | 248 | 241 | 245 | 255 | 262 | 264 | 263 | 262 | 265 | 268 | 285 | 293 | 284 | 294 | 299 | 299 | 280 | 259 | 244 | 255 | 250 | 259 | 266 |
| 16 | | 252 | 242 | 257 | 265 | 268 | 268 | 269 | 266 | 263 | 261 | 261 | 263 | 270 | 275 | 277 | 286 | 287 | 278 | 274 | 275 | 265 | 236 | 236 | 246 | 264 |
| 17 | | 238 | 258 | 269 | 270 | 265 | 261 | 265 | 265 | 264 | 264 | 265 | 267 | 269 | 270 | 273 | 273 | 273 | 275 | 271 | 271 | 270 | 270 | 269 | 258 | 266 |
| 18 | | 249 | 247 | 255 | 249 | 257 | 262 | 255 | 258 | 257 | 255 | 257 | 264 | 271 | 278 | 281 | 287 | 289 | 291 | 280 | 277 | 269 | 274 | 273 | 263 | 267 |
| 19 | | 223 | 244 | 256 | 267 | 266 | 270 | 270 | 269 | 265 | 258 | 259 | 265 | 270 | 272 | 272 | 274 | 275 | 277 | 277 | 278 | 279 | 276 | 273 | 270 | 267 |
| 20 | | 264 | 242 | 242 | 251 | 259 | 262 | 265 | 266 | 263 | 256 | 255 | 260 | 271 | 275 | 282 | 295 | 302 | 290 | 272 | 271 | 269 | 248 | 235 | 228 | 263 |
| 21 | | 226 | 234 | 255 | 262 | 266 | 270 | 269 | 268 | 263 | 258 | 266 | 280 | 285 | 293 | 308 | 304 | 313 | 314 | 299 | 286 | 266 | 263 | 269 | 272 | 274 |
| 22 | | 270 | 258 | 242 | 254 | 265 | 271 | 267 | 267 | 268 | 263 | 260 | 261 | 267 | 272 | 279 | 281 | 283 | 278 | 268 | 274 | 258 | 239 | 245 | 234 | 264 |
| 23 | | 237 | 252 | 261 | 267 | 270 | 268 | 269 | 268 | 264 | 259 | 257 | 259 | 265 | 269 | 271 | 274 | 276 | 277 | 278 | 280 | 255 | 263 | 265 | 266 | 265 |
| 24 | Q | 269 | 270 | 271 | 269 | 268 | 266 | 266 | 265 | 262 | 259 | 257 | 259 | 262 | 266 | 270 | 270 | 268 | 268 | 268 | 268 | 268 | 267 | 266 | 264 | 266 |
| 25 | Q | 263 | 266 | 267 | 266 | 267 | 267 | 266 | 264 | 256 | 246 | 244 | 247 | 253 | 261 | 268 | 271 | 267 | 268 | 274 | 276 | 270 | 267 | 266 | 265 | 264 |
| 26 | | 266 | 266 | 266 | 265 | 265 | 267 | 268 | 267 | 260 | 252 | 248 | 251 | 262 | 275 | 295 | 324 | 311 | 296 | 279 | 274 | 233 | 224 | 258 | 263 | 268 |
| 27 | | 266 | 264 | 258 | 261 | 266 | 266 | 263 | 263 | 262 | 255 | 257 | 257 | 265 | 271 | 275 | 282 | 314 | 301 | 285 | 279 | 266 | 248 | 150 | 194 | 261 |
| 28 | | 242 | 253 | 254 | 217 | 181 | 237 | 255 | 266 | 269 | 280 | 275 | 275 | 285 | 295 | 296 | 301 | 292 | 284 | 273 | 265 | 256 | 262 | 269 | 270 | 265 |
| 29 | | 271 | 271 | 270 | 265 | 268 | 272 | 271 | 271 | 269 | 268 | 265 | 261 | 266 | 275 | 287 | 288 | 305 | 288 | 277 | 275 | 272 | 270 | 257 | 262 | 273 |
| 30 | | 269 | 271 | 269 | 269 | 270 | 270 | 269 | 269 | 263 | 261 | 264 | 274 | 286 | 302 | 324 | 290 | 278 | 272 | 273 | 273 | 271 | 266 | 265 | 262 | 274 |
| 31 | | 268 | 269 | 271 | 270 | 272 | 273 | 271 | 267 | 263 | 257 | 258 | 263 | 269 | 278 | 290 | 292 | 291 | 292 | 277 | 275 | 274 | 272 | 270 | 270 | 273 |
| All | | 243 | 251 | 255 | 257 | 259 | 263 | 266 | 266 | 265 | 263 | 264 | 267 | 272 | 279 | 287 | 294 | 297 | 289 | 281 | 270 | 260 | 253 | 246 | 243 | 266 |
| Quiet | | 265 | 266 | 266 | 266 | 266 | 265 | 265 | 263 | 260 | 256 | 256 | 257 | 260 | 265 | 268 | 269 | 267 | 267 | 269 | 269 | 267 | 264 | 264 | 264 | 264 |
| Dist. | | 181 | 219 | 229 | 235 | 246 | 250 | 266 | 270 | 276 | 277 | 274 | 274 | 276 | 289 | 308 | 332 | 348 | 325 | 310 | 281 | 254 | 229 | 200 | 194 | 264 |

Nurmijärvi Finland

May 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Q | -4 | -4 | -2 | -1 | 2 | 3 | 0 | -11 | -22 | -28 | -25 | -23 | -12 | -1 | -6 | 2 | 4 | 5 | 6 | 2 | 6 | 2 | 4 | 4 | -4 |
| 2 | Q | 5 | -1 | 0 | 2 | 3 | 1 | -6 | -15 | -26 | -33 | -33 | -28 | -13 | -5 | 0 | 4 | 2 | 4 | 7 | 8 | 8 | 8 | 7 | 7 | -4 |
| 3 | D | 6 | 3 | -2 | 1 | 2 | -2 | -15 | -16 | -24 | -23 | -28 | -33 | -5 | -17 | 32 | 32 | 64 | 178 | -36 | -110 | -261 | -226 | -304 | -258 | -43 |
| 4 | | -183 | -48 | -30 | -20 | -19 | -23 | -31 | -41 | -36 | -30 | -27 | -20 | -11 | -6 | -3 | 1 | -4 | 0 | 3 | 7 | 8 | 2 | 0 | 3 | -21 |
| 5 | D | 0 | -1 | -3 | -4 | -1 | 2 | 3 | -6 | -15 | -26 | -27 | -15 | 2 | 24 | 33 | -5 | 9 | 49 | 12 | -106 | -68 | -47 | -61 | -44 | -12 |
| 6 | D | -49 | -67 | -41 | -9 | -16 | -46 | -42 | -26 | -24 | -47 | -36 | -22 | 30 | -27 | -15 | -15 | -10 | -11 | -8 | 5 | -8 | -20 | -27 | -10 | -23 |
| 7 | | -15 | -21 | -33 | -6 | -8 | -24 | -25 | -35 | -44 | -45 | -42 | -27 | -10 | -6 | -2 | 4 | 1 | 1 | 2 | -3 | -4 | -6 | -17 | -4 | -15 |
| 8 | | -12 | -8 | -3 | -8 | -16 | -5 | -23 | -32 | -32 | -44 | -41 | -34 | -21 | -7 | -9 | -2 | -13 | -3 | -5 | 2 | 0 | 5 | 7 | -3 | -13 |
| 9 | D | -3 | -8 | -5 | -26 | -23 | -8 | -3 | -29 | -43 | -53 | -38 | -28 | -20 | -14 | 4 | -10 | -3 | 2 | 18 | 5 | -2 | 1 | -2 | -7 | -12 |
| 10 | | -4 | -3 | -8 | -13 | -6 | -4 | -15 | -31 | -38 | -44 | -46 | -35 | -20 | -10 | -2 | 2 | 6 | 6 | 8 | 9 | 28 | -32 | -5 | 0 | -11 |
| 11 | | -4 | 5 | -12 | -6 | -8 | -10 | -14 | -16 | -29 | -34 | -32 | -25 | -8 | -5 | -7 | 4 | 1 | -3 | 11 | -3 | -17 | -7 | -10 | -8 | -10 |
| 12 | | -6 | -20 | -6 | 0 | 2 | 2 | -4 | -4 | -17 | -29 | -19 | -12 | -13 | -6 | 3 | -5 | 0 | 5 | 17 | 1 | 2 | 4 | -1 | -7 | -5 |
| 13 | | 1 | -3 | -10 | -7 | -3 | 2 | -8 | -21 | -25 | -31 | -33 | -26 | -19 | -12 | -4 | 4 | 1 | 5 | 8 | 15 | 3 | 4 | 2 | -5 | -7 |
| 14 | | -2 | -4 | -10 | -6 | 1 | 3 | -4 | -14 | -19 | -20 | -20 | -15 | -7 | -4 | -2 | 0 | 4 | 3 | 4 | 3 | 0 | 12 | 3 | 2 | -4 |
| 15 | | 2 | 4 | 4 | 1 | -1 | -1 | -4 | -9 | -17 | -20 | -11 | -4 | 5 | 11 | 10 | -2 | 6 | 11 | 15 | 5 | 1 | 18 | 28 | -1 | 2 |
| 16 | | 3 | 7 | 5 | 4 | -5 | -28 | -45 | -47 | -41 | -40 | -23 | -28 | -32 | -14 | -1 | 0 | 2 | -3 | 8 | 1 | 15 | -1 | -3 | -7 | -11 |
| 17 | | -1 | -2 | -4 | -4 | -14 | -11 | -3 | -9 | -24 | -36 | -35 | -28 | -12 | -7 | 9 | 8 | 8 | 9 | 14 | 4 | -2 | 1 | 9 | 1 | -5 |
| 18 | | 5 | 1 | 0 | -1 | -2 | -7 | -10 | -24 | -39 | -37 | -39 | -30 | -15 | 0 | -14 | -11 | 12 | 12 | 1 | -1 | 2 | 7 | 1 | -2 | -8 |
| 19 | | -6 | -6 | 3 | 3 | 3 | 3 | -4 | -15 | -31 | -35 | -27 | -17 | -2 | 7 | 9 | 12 | 11 | 16 | 11 | 6 | 6 | 3 | 8 | 7 | -2 |
| 20 | Q | 2 | 2 | 6 | 6 | 7 | 5 | -4 | -15 | -27 | -30 | -24 | -13 | -5 | -1 | 4 | 8 | 10 | 14 | 17 | 22 | 21 | 23 | 21 | 24 | 3 |
| 21 | | 5 | 7 | 9 | 12 | 7 | 11 | 7 | -5 | -17 | -26 | -26 | -21 | -7 | -8 | 2 | 1 | 7 | 13 | 25 | 10 | 8 | 6 | 8 | 6 | 1 |
| 22 | Q | 8 | 8 | 8 | 8 | 8 | 4 | -1 | -9 | -18 | -25 | -28 | -18 | -11 | -7 | -3 | 6 | 8 | 11 | 20 | 12 | 15 | 14 | 12 | 15 | 2 |
| 23 | D | 15 | 11 | 9 | 12 | 14 | 11 | 8 | 4 | -10 | -53 | -44 | -25 | 22 | 38 | 15 | 25 | -14 | -13 | -9 | -6 | 1 | 7 | -17 | -14 | -1 |
| 24 | | -4 | 0 | 2 | 0 | 0 | 0 | -6 | -17 | -28 | -30 | -42 | -44 | -22 | -9 | -1 | -3 | 8 | 8 | 8 | 10 | 10 | 6 | 9 | 6 | -6 |
| 25 | | 1 | -3 | 4 | 0 | 3 | -4 | 8 | -11 | -40 | -39 | -34 | -32 | -16 | -10 | 3 | 12 | 1 | 5 | 11 | 12 | 4 | 2 | 1 | 2 | -5 |
| 26 | | 1 | -5 | -13 | -6 | 1 | -4 | -12 | -17 | -19 | -29 | -31 | -23 | -13 | -6 | -3 | -2 | 12 | 9 | 22 | 12 | 6 | 10 | 13 | 14 | -3 |
| 27 | | 11 | 9 | 10 | 8 | 8 | 11 | 8 | 0 | -11 | -17 | -18 | -22 | -17 | -8 | -6 | 1 | 16 | 15 | 2 | 7 | 10 | 11 | 9 | 8 | 2 |
| 28 | | 3 | 4 | 7 | 8 | 7 | 5 | 0 | -7 | -11 | -15 | -19 | -10 | -3 | 4 | 6 | 34 | -4 | 5 | 12 | 13 | 23 | -2 | -5 | 9 | 3 |
| 29 | Q | 1 | 1 | 2 | 1 | -3 | -6 | -6 | -10 | -21 | -28 | -19 | -11 | -1 | 0 | 0 | 4 | 4 | 8 | 11 | 10 | 12 | 15 | 12 | 7 | -1 |
| 30 | | 8 | 8 | -1 | 2 | -5 | -10 | -4 | -11 | -25 | -26 | -22 | -18 | -12 | -4 | 2 | 7 | 5 | 17 | 18 | 29 | 4 | -34 | -40 | -6 | -5 |
| All | | -7 | -5 | -4 | -2 | -2 | -4 | -9 | -17 | -26 | -32 | -30 | -23 | -9 | -4 | 2 | 4 | 5 | 13 | 8 | -1 | -6 | -7 | -11 | -9 | -7 |
| Quiet | | 3 | 1 | 3 | 3 | 3 | 2 | -3 | -12 | -23 | -29 | -26 | -19 | -8 | -3 | -1 | 5 | 5 | 8 | 12 | 11 | 13 | 12 | 11 | 11 | -1 |
| Dist. | | -6 | -12 | -9 | -5 | -5 | -9 | -10 | -15 | -23 | -40 | -35 | -25 | 6 | 1 | 14 | 5 | 9 | 41 | -5 | -42 | -68 | -57 | -82 | -67 | -18 |

May 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Q | 256 | 259 | 257 | 259 | 260 | 266 | 272 | 273 | 269 | 256 | 239 | 228 | 224 | 231 | 250 | 248 | 249 | 250 | 254 | 258 | 261 | 257 | 252 | 251 | 253 |
| 2 | Q | 247 | 257 | 262 | 263 | 264 | 268 | 272 | 274 | 267 | 255 | 239 | 225 | 218 | 224 | 236 | 245 | 251 | 251 | 252 | 251 | 250 | 252 | 254 | 255 | 251 |
| 3 | D | 256 | 255 | 249 | 251 | 260 | 270 | 271 | 266 | 270 | 257 | 245 | 232 | 222 | 223 | 209 | 197 | 203 | 258 | 297 | 316 | 260 | 332 | 450 | 400 | 269 |
| 4 | | 407 | 267 | 244 | 261 | 266 | 277 | 284 | 284 | 276 | 260 | 245 | 235 | 226 | 230 | 238 | 242 | 248 | 249 | 247 | 249 | 250 | 252 | 256 | 258 | 261 |
| 5 | D | 263 | 265 | 266 | 266 | 269 | 275 | 280 | 277 | 269 | 256 | 240 | 221 | 211 | 203 | 207 | 208 | 222 | 239 | 243 | 317 | 281 | 275 | 298 | 254 | 254 |
| 6 | D | 290 | 298 | 261 | 270 | 276 | 269 | 251 | 276 | 266 | 240 | 236 | 219 | 232 | 225 | 241 | 255 | 262 | 262 | 261 | 267 | 278 | 260 | 262 | 255 | 259 |
| 7 | | 271 | 269 | 246 | 263 | 271 | 273 | 277 | 278 | 270 | 255 | 240 | 229 | 222 | 232 | 235 | 243 | 253 | 256 | 259 | 266 | 266 | 275 | 272 | 272 | 258 |
| 8 | | 279 | 271 | 269 | 270 | 256 | 267 | 267 | 257 | 259 | 258 | 237 | 230 | 221 | 224 | 234 | 248 | 250 | 258 | 263 | 262 | 255 | 255 | 266 | 258 | 255 |
| 9 | D | 262 | 260 | 251 | 256 | 257 | 270 | 285 | 277 | 276 | 258 | 246 | 240 | 237 | 239 | 239 | 251 | 250 | 252 | 275 | 269 | 254 | 261 | 258 | 255 | 257 |
| 10 | | 259 | 260 | 262 | 240 | 256 | 265 | 270 | 272 | 269 | 259 | 250 | 236 | 229 | 235 | 240 | 247 | 251 | 253 | 257 | 260 | 287 | 305 | 267 | 261 | 258 |
| 11 | | 269 | 270 | 304 | 278 | 272 | 267 | 272 | 272 | 264 | 259 | 241 | 229 | 228 | 231 | 238 | 246 | 252 | 257 | 279 | 272 | 267 | 273 | 261 | 244 | 260 |
| 12 | | 258 | 243 | 244 | 269 | 273 | 267 | 270 | 278 | 272 | 263 | 248 | 233 | 236 | 242 | 243 | 248 | 253 | 255 | 262 | 276 | 260 | 257 | 258 | 258 | 257 |
| 13 | | 253 | 260 | 263 | 262 | 262 | 267 | 275 | 273 | 264 | 254 | 243 | 229 | 230 | 234 | 241 | 248 | 256 | 255 | 257 | 269 | 261 | 256 | 259 | 261 | 256 |
| 14 | | 261 | 263 | 263 | 261 | 268 | 271 | 271 | 268 | 265 | 257 | 245 | 234 | 226 | 233 | 238 | 245 | 252 | 256 | 255 | 258 | 254 | 256 | 257 | 256 | 255 |
| 15 | | 257 | 257 | 263 | 265 | 267 | 271 | 275 | 273 | 259 | 244 | 226 | 210 | 210 | 218 | 224 | 235 | 245 | 247 | 255 | 264 | 264 | 239 | 260 | 263 | 250 |
| 16 | | 254 | 264 | 266 | 267 | 270 | 253 | 256 | 259 | 247 | 242 | 231 | 224 | 228 | 228 | 230 | 258 | 251 | 255 | 256 | 263 | 271 | 272 | 260 | 241 | 252 |
| 17 | | 252 | 265 | 272 | 275 | 268 | 262 | 266 | 272 | 268 | 257 | 243 | 234 | 222 | 221 | 228 | 238 | 243 | 249 | 250 | 249 | 256 | 257 | 242 | 247 | 252 |
| 18 | | 250 | 261 | 267 | 272 | 275 | 267 | 269 | 269 | 257 | 243 | 229 | 211 | 208 | 215 | 232 | 251 | 272 | 260 | 273 | 269 | 258 | 264 | 277 | 269 | 255 |
| 19 | | 258 | 247 | 263 | 265 | 268 | 268 | 271 | 270 | 262 | 247 | 228 | 219 | 216 | 224 | 235 | 242 | 248 | 255 | 254 | 253 | 251 | 254 | 253 | 251 | 250 |
| 20 | Q | 247 | 253 | 265 | 269 | 274 | 276 | 273 | 268 | 259 | 251 | 235 | 228 | 228 | 232 | 235 | 239 | 244 | 246 | 246 | 243 | 246 | 258 | 267 | 261 | 252 |
| 21 | | 261 | 260 | 263 | 266 | 258 | 258 | 269 | 267 | 263 | 255 | 240 | 229 | 221 | 225 | 233 | 243 | 251 | 249 | 260 | 262 | 250 | 251 | 253 | 254 | 252 |
| 22 | Q | 257 | 261 | 264 | 268 | 272 | 275 | 280 | 274 | 265 | 253 | 241 | 229 | 225 | 229 | 232 | 237 | 242 | 245 | 250 | 252 | 251 | 250 | 250 | 253 | 252 |
| 23 | D | 255 | 254 | 261 | 261 | 260 | 264 | 270 | 275 | 268 | 242 | 228 | 224 | 210 | 221 | 221 | 210 | 248 | 245 | 244 | 246 | 253 | 300 | 277 | 276 | 250 |
| 24 | | 264 | 260 | 263 | 268 | 270 | 273 | 274 | 272 | 270 | 253 | 232 | 224 | 225 | 227 | 241 | 244 | 247 | 247 | 250 | 248 | 251 | 263 | 257 | 257 | 253 |
| 25 | | 256 | 263 | 266 | 253 | 241 | 249 | 258 | 266 | 251 | 243 | 236 | 233 | 229 | 230 | 237 | 244 | 255 | 261 | 256 | 266 | 260 | 256 | 261 | 262 | 251 |
| 26 | | 262 | 260 | 259 | 265 | 271 | 276 | 279 | 275 | 269 | 258 | 247 | 240 | 238 | 238 | 241 | 245 | 243 | 249 | 255 | 265 | 265 | 256 | 252 | 255 | 257 |
| 27 | | 256 | 258 | 261 | 265 | 271 | 276 | 280 | 279 | 271 | 260 | 246 | 232 | 226 | 227 | 233 | 243 | 253 | 257 | 265 | 256 | 249 | 249 | 251 | 250 | 255 |
| 28 | | 251 | 253 | 261 | 266 | 270 | 275 | 276 | 275 | 265 | 249 | 234 | 222 | 223 | 229 | 239 | 240 | 247 | 254 | 250 | 260 | 296 | 277 | 260 | 254 | 255 |
| 29 | Q | 263 | 266 | 267 | 265 | 260 | 255 | 263 | 264 | 259 | 251 | 242 | 233 | 231 | 238 | 242 | 248 | 251 | 252 | 252 | 252 | 255 | 258 | 261 | 261 | 254 |
| 30 | | 261 | 261 | 255 | 235 | 236 | 242 | 269 | 270 | 262 | 257 | 247 | 236 | 233 | 239 | 243 | 246 | 246 | 243 | 247 | 247 | 300 | 337 | 326 | 275 | 259 |
| All | | 264 | 261 | 262 | 263 | 265 | 267 | 271 | 272 | 265 | 253 | 239 | 228 | 224 | 228 | 235 | 241 | 248 | 252 | 257 | 263 | 262 | 267 | 269 | 262 | 255 |
| Quiet | | 254 | 259 | 263 | 265 | 266 | 268 | 272 | 271 | 264 | 253 | 239 | 229 | 225 | 231 | 239 | 243 | 247 | 249 | 251 | 251 | 252 | 255 | 257 | 256 | 252 |
| Dist. | | 265 | 266 | 258 | 261 | 264 | 270 | 271 | 274 | 270 | 251 | 239 | 227 | 223 | 222 | 223 | 224 | 237 | 251 | 264 | 283 | 265 | 285 | 309 | 288 | 258 |

May 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Q | 271 | 271 | 271 | 271 | 271 | 273 | 273 | 268 | 260 | 250 | 249 | 253 | 259 | 271 | 274 | 274 | 272 | 271 | 271 | 271 | 268 | 268 | 268 | 267 | 267 |
| 2 | Q | 262 | 265 | 268 | 270 | 270 | 272 | 270 | 265 | 258 | 254 | 251 | 253 | 259 | 264 | 267 | 270 | 269 | 268 | 268 | 268 | 267 | 268 | 268 | 268 | 265 |
| 3 | D | 267 | 267 | 262 | 247 | 248 | 255 | 259 | 262 | 261 | 257 | 251 | 249 | 260 | 274 | 302 | 335 | 441 | 493 | 304 | 260 | 97 | 134 | 6 | 3 | 250 |
| 4 | | 35 | 218 | 222 | 270 | 287 | 294 | 289 | 283 | 277 | 275 | 274 | 275 | 276 | 277 | 277 | 276 | 276 | 275 | 274 | 274 | 273 | 273 | 275 | 275 | 262 |
| 5 | D | 275 | 275 | 274 | 274 | 273 | 273 | 270 | 267 | 264 | 260 | 258 | 260 | 265 | 277 | 292 | 304 | 311 | 335 | 384 | 219 | 222 | 238 | 218 | 227 | 271 |
| 6 | D | 216 | 206 | 229 | 268 | 265 | 252 | 253 | 270 | 274 | 280 | 312 | 321 | 359 | 305 | 291 | 284 | 286 | 290 | 290 | 276 | 261 | 266 | 230 | 237 | 272 |
| 7 | | 256 | 257 | 243 | 255 | 263 | 271 | 273 | 273 | 267 | 258 | 258 | 265 | 281 | 280 | 278 | 278 | 283 | 285 | 287 | 278 | 216 | 232 | 248 | 222 | 263 |
| 8 | | 229 | 262 | 270 | 264 | 261 | 260 | 268 | 267 | 267 | 269 | 270 | 262 | 268 | 274 | 289 | 299 | 297 | 298 | 294 | 280 | 261 | 243 | 240 | 259 | 269 |
| 9 | D | 267 | 265 | 263 | 233 | 252 | 259 | 270 | 265 | 270 | 268 | 263 | 261 | 267 | 271 | 281 | 286 | 284 | 280 | 276 | 259 | 269 | 270 | 266 | 271 | 267 |
| 10 | | 274 | 273 | 268 | 257 | 258 | 263 | 265 | 267 | 268 | 264 | 260 | 262 | 271 | 270 | 267 | 269 | 272 | 273 | 274 | 273 | 246 | 216 | 249 | 251 | 263 |
| 11 | | 247 | 230 | 222 | 254 | 261 | 267 | 272 | 275 | 269 | 266 | 266 | 270 | 277 | 280 | 277 | 284 | 289 | 290 | 278 | 257 | 239 | 251 | 263 | 258 | 264 |
| 12 | | 246 | 229 | 235 | 257 | 263 | 261 | 263 | 269 | 271 | 269 | 262 | 266 | 268 | 273 | 278 | 280 | 278 | 276 | 280 | 287 | 279 | 274 | 272 | 269 | 267 |
| 13 | | 257 | 257 | 266 | 269 | 269 | 271 | 271 | 267 | 261 | 255 | 258 | 265 | 277 | 276 | 275 | 276 | 275 | 272 | 272 | 272 | 265 | 268 | 265 | 266 | 268 |
| 14 | | 269 | 269 | 266 | 264 | 265 | 269 | 268 | 267 | 262 | 257 | 256 | 258 | 266 | 272 | 276 | 275 | 276 | 276 | 273 | 272 | 271 | 268 | 263 | 268 | 268 |
| 15 | | 268 | 268 | 268 | 268 | 269 | 270 | 270 | 264 | 259 | 255 | 253 | 255 | 262 | 272 | 277 | 280 | 283 | 282 | 284 | 282 | 273 | 227 | 208 | 231 | 264 |
| 16 | | 253 | 265 | 268 | 268 | 263 | 255 | 254 | 254 | 254 | 254 | 259 | 265 | 265 | 273 | 282 | 303 | 289 | 285 | 281 | 271 | 231 | 240 | 260 | 250 | 264 |
| 17 | | 249 | 263 | 267 | 266 | 262 | 261 | 266 | 266 | 261 | 256 | 253 | 254 | 261 | 268 | 276 | 282 | 285 | 285 | 284 | 284 | 279 | 272 | 255 | 249 | 267 |
| 18 | | 261 | 269 | 271 | 268 | 267 | 266 | 264 | 260 | 257 | 253 | 255 | 262 | 275 | 288 | 292 | 294 | 295 | 285 | 286 | 279 | 275 | 263 | 249 | 257 | 271 |
| 19 | | 260 | 247 | 256 | 260 | 261 | 260 | 265 | 265 | 262 | 255 | 253 | 256 | 262 | 270 | 273 | 280 | 282 | 281 | 275 | 273 | 270 | 269 | 265 | 259 | 265 |
| 20 | Q | 257 | 262 | 267 | 266 | 266 | 265 | 265 | 264 | 260 | 255 | 251 | 253 | 259 | 264 | 264 | 266 | 270 | 270 | 269 | 268 | 268 | 267 | 256 | 251 | 263 |
| 21 | | 262 | 268 | 271 | 271 | 269 | 266 | 265 | 260 | 258 | 253 | 252 | 253 | 263 | 266 | 271 | 276 | 277 | 273 | 273 | 265 | 266 | 268 | 268 | 267 | 266 |
| 22 | Q | 267 | 268 | 270 | 270 | 270 | 270 | 267 | 261 | 258 | 255 | 258 | 257 | 264 | 266 | 265 | 269 | 269 | 269 | 270 | 270 | 269 | 268 | 267 | 267 | 266 |
| 23 | D | 267 | 266 | 265 | 265 | 264 | 268 | 270 | 263 | 255 | 252 | 251 | 253 | 281 | 325 | 343 | 359 | 352 | 297 | 282 | 276 | 267 | 227 | 228 | 246 | 276 |
| 24 | | 266 | 273 | 275 | 273 | 273 | 276 | 274 | 271 | 271 | 266 | 267 | 268 | 271 | 282 | 298 | 286 | 280 | 274 | 272 | 270 | 269 | 271 | 269 | 267 | 273 |
| 25 | | 268 | 270 | 270 | 266 | 259 | 259 | 257 | 254 | 255 | 262 | 268 | 266 | 274 | 273 | 274 | 279 | 283 | 282 | 278 | 274 | 267 | 268 | 266 | 256 | 268 |
| 26 | | 267 | 267 | 263 | 265 | 267 | 270 | 272 | 270 | 265 | 261 | 258 | 256 | 259 | 266 | 271 | 271 | 270 | 268 | 273 | 272 | 269 | 270 | 267 | 266 | 267 |
| 27 | | 266 | 269 | 271 | 272 | 273 | 272 | 270 | 267 | 260 | 255 | 256 | 255 | 258 | 262 | 267 | 272 | 279 | 281 | 283 | 277 | 272 | 269 | 268 | 264 | 268 |
| 28 | | 258 | 266 | 271 | 272 | 271 | 269 | 266 | 264 | 261 | 257 | 256 | 255 | 257 | 263 | 267 | 277 | 277 | 277 | 272 | 270 | 246 | 240 | 244 | 248 | 263 |
| 29 | Q | 258 | 266 | 269 | 270 | 268 | 266 | 266 | 264 | 259 | 255 | 254 | 256 | 260 | 264 | 266 | 268 | 268 | 269 | 268 | 268 | 267 | 262 | 255 | 261 | 264 |
| 30 | | 265 | 266 | 262 | 245 | 243 | 248 | 255 | 256 | 255 | 254 | 252 | 251 | 257 | 263 | 263 | 270 | 270 | 267 | 267 | 267 | 242 | 164 | 176 | 247 | 250 |
| All | | 252 | 260 | 261 | 264 | 265 | 266 | 267 | 266 | 263 | 259 | 259 | 261 | 269 | 274 | 279 | 284 | 288 | 288 | 281 | 270 | 255 | 250 | 244 | 248 | 266 |
| Quiet | | 263 | 266 | 269 | 269 | 269 | 269 | 268 | 264 | 259 | 254 | 253 | 254 | 260 | 266 | 267 | 269 | 269 | 269 | 269 | 269 | 268 | 267 | 263 | 263 | 265 |
| Dist. | | 258 | 256 | 259 | 257 | 261 | 261 | 264 | 265 | 265 | 263 | 267 | 269 | 286 | 290 | 302 | 313 | 335 | 339 | 307 | 258 | 223 | 227 | 190 | 197 | 267 |

Nurmijärvi Finland

April 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 1 | -7 | -23 | -8 | -6 | -12 | -18 | -20 | -21 | -29 | -28 | -23 | -10 | -14 | -8 | 11 | 9 | 8 | 24 | 15 | 6 | 1 | -2 | -9 | -7 |
| 2 | | -3 | -1 | -3 | 0 | 1 | -8 | -21 | -29 | -34 | -30 | -23 | -31 | -14 | -5 | 0 | 9 | 10 | 13 | 14 | 14 | 12 | 9 | 5 | 4 | -5 |
| 3 | | 8 | 10 | 9 | 1 | 3 | -1 | -6 | -14 | -25 | -29 | -25 | -14 | -4 | 6 | 8 | 2 | 10 | 28 | 18 | 16 | 16 | 15 | 17 | 8 | 2 |
| 4 | | 7 | 13 | 7 | -7 | -6 | -9 | -16 | -24 | -31 | -43 | -37 | -24 | -13 | -7 | 3 | 4 | 11 | 15 | 20 | 12 | 6 | 0 | -2 | -2 | -5 |
| 5 | D | 4 | 2 | 2 | -12 | -21 | -4 | -6 | -22 | -40 | -49 | -35 | -13 | -14 | 0 | 3 | 10 | 37 | 25 | 14 | 16 | 6 | 5 | 17 | 5 | -3 |
| 6 | | 2 | -2 | -2 | -4 | -7 | -11 | -19 | -27 | -26 | -27 | -35 | -30 | -19 | -2 | -2 | 12 | 5 | 13 | 24 | 7 | 9 | 11 | 4 | 5 | -5 |
| 7 | D | -10 | -3 | -14 | -20 | -10 | -23 | -22 | -33 | -29 | -26 | -35 | -25 | -6 | 10 | 24 | 33 | 6 | 5 | 23 | 4 | 3 | -1 | -10 | -5 | -7 |
| 8 | | -3 | -1 | -13 | -3 | -2 | -1 | -2 | -10 | -19 | -36 | -39 | -20 | 8 | 15 | 12 | 15 | 22 | 17 | 10 | 0 | -4 | -3 | -8 | -10 | -3 |
| 9 | | -7 | -1 | -4 | -2 | -1 | -3 | -10 | -20 | -26 | -32 | -31 | -25 | -12 | -17 | -9 | 11 | 17 | 8 | 9 | 6 | 5 | 5 | 5 | 3 | -5 |
| 10 | | 2 | -1 | -3 | -5 | 6 | 6 | -2 | -10 | -15 | -29 | -32 | -25 | -15 | -3 | 3 | 9 | 10 | 13 | 17 | 12 | 12 | 6 | 7 | 7 | -1 |
| 11 | | 22 | 3 | 3 | -2 | 2 | 1 | -8 | -19 | -28 | -37 | -33 | -12 | 2 | 7 | 4 | 6 | 13 | 22 | 25 | 16 | 9 | 10 | 7 | -14 | 0 |
| 12 | | 11 | 6 | -14 | -7 | 6 | -1 | -13 | -22 | -37 | -32 | -25 | -12 | -4 | 4 | 8 | 7 | 12 | 17 | 14 | 19 | 11 | 4 | 2 | 2 | -2 |
| 13 | | 4 | 8 | 4 | 4 | 7 | 3 | -17 | -36 | -30 | -34 | -20 | -18 | -5 | -7 | -3 | -2 | 19 | 18 | 11 | 14 | | -2 | -7 | -6 | (-4) |
| 14 | | -6 | -4 | -1 | -3 | -6 | -9 | | -25 | -25 | -23 | -14 | -7 | 10 | 4 | 0 | 5 | 10 | 16 | 22 | 17 | 13 | 22 | 22 | 22 | (2) |
| 15 | | 16 | 9 | 3 | 0 | 1 | -4 | -11 | -10 | -16 | -23 | -26 | -16 | -8 | 1 | 12 | 15 | 17 | 15 | 19 | 14 | 8 | 7 | 9 | 1 | 1 |
| 16 | Q | -5 | 4 | 2 | 1 | -1 | -9 | -14 | -15 | -20 | -25 | -29 | -15 | -2 | 0 | 5 | 7 | 10 | 17 | 18 | 16 | 11 | 6 | 1 | -1 | -2 |
| 17 | Q | 2 | 4 | 2 | 2 | -3 | -9 | -13 | -19 | -23 | -20 | -18 | -5 | 0 | 6 | 5 | 2 | 7 | 10 | 12 | 13 | 16 | 20 | 13 | 15 | 1 |
| 18 | Q | 8 | 9 | 8 | 6 | 4 | -1 | -11 | -21 | -28 | -41 | -27 | -15 | 4 | 8 | 11 | 17 | 22 | 22 | 22 | 23 | 22 | 23 | 19 | 19 | 4 |
| 19 | | 19 | 19 | 18 | 10 | -2 | -5 | -8 | -13 | -14 | -17 | -7 | -1 | 3 | 4 | 38 | 60 | 41 | 28 | 18 | 12 | 11 | 14 | 11 | 15 | 11 |
| 20 | D | 9 | 11 | 9 | 5 | 4 | -2 | -17 | -13 | -7 | -17 | -21 | -51 | -6 | 7 | 16 | 18 | 28 | 24 | 25 | 21 | 10 | 6 | -4 | -5 | 2 |
| 21 | | -7 | 13 | 11 | 11 | 2 | -7 | -23 | -35 | -32 | -32 | -30 | -11 | 4 | 1 | 5 | 5 | 14 | 16 | 12 | 12 | 7 | 7 | 6 | 8 | -2 |
| 22 | | 9 | 13 | 11 | 9 | 1 | -7 | -6 | -13 | -39 | -26 | -24 | -20 | -9 | -7 | 3 | 3 | 13 | 17 | 19 | 21 | 16 | 13 | 8 | 12 | 1 |
| 23 | | 11 | -4 | -3 | 2 | -2 | -6 | 1 | -1 | -12 | -29 | -26 | -9 | 12 | 2 | 13 | 24 | 33 | 23 | 22 | 6 | 10 | 8 | 4 | -5 | 3 |
| 24 | | -8 | 9 | 6 | 6 | 3 | 1 | -21 | -57 | -42 | -38 | -24 | 5 | -18 | 3 | -6 | 6 | 7 | 9 | 17 | 14 | 13 | 12 | 12 | 6 | -4 |
| 25 | | 4 | 6 | 2 | 7 | 5 | -5 | -20 | -28 | -24 | -31 | -28 | -17 | -17 | -10 | -2 | 3 | 9 | 12 | 10 | 10 | 9 | 6 | 2 | 2 | -4 |
| 26 | Q | 1 | 3 | 7 | 9 | 5 | -4 | -12 | -11 | -18 | -24 | -23 | -8 | -7 | 4 | 13 | 15 | 12 | 15 | 17 | 17 | 17 | 20 | 12 | 11 | 3 |
| 27 | Q | 14 | 15 | 12 | 13 | 3 | -8 | -17 | -24 | -26 | -27 | -29 | -19 | -10 | 5 | 10 | 11 | 17 | 22 | 15 | 11 | 14 | 12 | 12 | 11 | 2 |
| 28 | | 11 | 8 | 12 | 11 | 2 | -8 | -13 | -19 | -20 | -23 | -22 | -15 | -1 | -3 | 9 | 24 | 30 | 30 | 27 | 16 | -8 | -28 | -36 | -33 | -2 |
| 29 | D | -16 | -6 | -18 | -9 | -4 | -16 | -26 | -33 | -50 | -41 | -36 | -33 | -18 | -6 | 5 | 20 | 4 | 6 | 24 | 29 | 27 | 17 | -19 | -7 | -9 |
| 30 | | -1 | 3 | 11 | 8 | 5 | -1 | -7 | -16 | -18 | -24 | -17 | -24 | -2 | -13 | 1 | 7 | 31 | 24 | 29 | 18 | 2 | -1 | -2 | 7 | 1 |
| 31 | D | 3 | -20 | -14 | 7 | -3 | -23 | -38 | -41 | -40 | -54 | -31 | -29 | -14 | -7 | 5 | 7 | 10 | 12 | 24 | 20 | 26 | 3 | 4 | 5 | -8 |
| All | | 3 | 4 | 1 | 1 | 0 | -6 | -14 | -22 | -26 | -30 | -27 | -18 | -6 | 0 | 6 | 12 | 16 | 17 | 18 | 14 | 10 | 7 | 4 | 2 | -1 |
| Quiet | | 4 | 7 | 6 | 6 | 2 | -6 | -13 | -18 | -23 | -27 | -25 | -12 | -3 | 4 | 9 | 10 | 14 | 17 | 17 | 16 | 16 | 16 | 11 | 11 | 2 |
| Dist. | | -2 | -3 | -7 | -6 | -7 | -13 | -22 | -28 | -33 | -37 | -31 | -30 | -11 | 1 | 11 | 17 | 17 | 14 | 22 | 18 | 14 | 6 | -2 | -1 | -5 |

April 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 261 | 266 | 276 | 282 | 281 | 288 | 291 | 280 | 263 | 249 | 237 | 230 | 230 | 234 | 239 | 242 | 243 | 246 | 260 | 257 | 249 | 253 | 258 | 251 | 257 |
| 2 | | 240 | 262 | 273 | 273 | 276 | 277 | 276 | 270 | 258 | 244 | 228 | 226 | 230 | 233 | 242 | 247 | 251 | 250 | 247 | 248 | 250 | 260 | 263 | 266 | 254 |
| 3 | | 266 | 264 | 265 | 268 | 271 | 277 | 279 | 274 | 261 | 242 | 230 | 225 | 222 | 226 | 233 | 240 | 245 | 246 | 250 | 254 | 246 | 245 | 237 | 270 | 251 |
| 4 | | 264 | 271 | 278 | 278 | 270 | 277 | 272 | 265 | 249 | 242 | 232 | 221 | 221 | 234 | 243 | 248 | 250 | 252 | 263 | 257 | 266 | 263 | 260 | 258 | 256 |
| 5 | D | 270 | 278 | 281 | 275 | 263 | 257 | 271 | 269 | 254 | 237 | 233 | 220 | 221 | 222 | 224 | 231 | 230 | 261 | 265 | 256 | 254 | 272 | 264 | 263 | 253 |
| 6 | | 263 | 260 | 258 | 271 | 277 | 277 | 279 | 271 | 256 | 246 | 236 | 227 | 233 | 237 | 243 | 245 | 252 | 256 | 264 | 278 | 263 | 256 | 240 | 267 | 256 |
| 7 | D | 268 | 272 | 267 | 260 | 251 | 273 | 277 | 267 | 255 | 245 | 235 | 231 | 229 | 245 | 250 | 255 | 249 | 249 | 243 | 256 | 263 | 253 | 248 | 264 | 254 |
| 8 | | 271 | 267 | 268 | 265 | 274 | 268 | 267 | 265 | 258 | 245 | 228 | 221 | 223 | 223 | 233 | 250 | 252 | 253 | 252 | 247 | 258 | 251 | 249 | 241 | 251 |
| 9 | | 252 | 264 | 273 | 276 | 269 | 271 | 276 | 277 | 268 | 255 | 237 | 226 | 225 | 231 | 239 | 243 | 262 | 255 | 255 | 255 | 253 | 255 | 257 | 258 | 255 |
| 10 | | 262 | 264 | 268 | 260 | 263 | 273 | 280 | 278 | 272 | 262 | 249 | 235 | 229 | 228 | 231 | 239 | 248 | 252 | 253 | 265 | 259 | 264 | 260 | 263 | 257 |
| 11 | | 271 | 285 | 275 | 259 | 270 | 275 | 276 | 272 | 260 | 244 | 231 | 221 | 219 | 225 | 229 | 235 | 242 | 248 | 248 | 267 | 264 | 253 | 293 | 330 | 258 |
| 12 | | 310 | 297 | 268 | 219 | 261 | 286 | 284 | 277 | 265 | 254 | 238 | 221 | 220 | 226 | 237 | 243 | 247 | 254 | 258 | 268 | 265 | 265 | 267 | 262 | 258 |
| 13 | | 267 | 269 | 275 | 278 | 280 | 277 | 276 | 275 | 251 | 247 | 238 | 230 | 235 | 242 | 247 | 250 | 256 | 258 | 260 | 256 | | 263 | 264 | 277 | (259) |
| 14 | | 266 | 269 | 275 | 278 | 282 | 281 | | 274 | 261 | 244 | 229 | 219 | 218 | 225 | 232 | 240 | 245 | 243 | 244 | 249 | 253 | 252 | 254 | 252 | (252) |
| 15 | | 257 | 277 | 280 | 281 | 287 | 288 | 285 | 281 | 270 | 254 | 236 | 222 | 224 | 230 | 237 | 249 | 255 | 255 | 252 | 252 | 254 | 255 | 270 | 274 | 259 |
| 16 | Q | 262 | 267 | 280 | 285 | 284 | 282 | 273 | 267 | 253 | 236 | 223 | 222 | 222 | 228 | 235 | 242 | 247 | 257 | 254 | 254 | 258 | 268 | 274 | 266 | 256 |
| 17 | Q | 267 | 268 | 273 | 273 | 280 | 279 | 277 | 273 | 267 | 256 | 239 | 229 | 232 | 238 | 242 | 243 | 243 | 246 | 249 | 248 | 251 | 248 | 264 | 261 | 256 |
| 18 | Q | 270 | 271 | 277 | 277 | 276 | 279 | 280 | 277 | 267 | 247 | 230 | 222 | 223 | 231 | 238 | 243 | 247 | 247 | 247 | 247 | 248 | 249 | 255 | 257 | 254 |
| 19 | | 261 | 265 | 271 | 280 | 281 | 276 | 274 | 267 | 257 | 246 | 236 | 228 | 229 | 237 | 236 | 238 | 248 | 251 | 254 | 241 | 236 | 242 | 248 | 254 | 252 |
| 20 | D | 268 | 274 | 279 | 282 | 283 | 279 | 267 | 259 | 261 | 246 | 236 | 227 | 229 | 231 | 236 | 241 | 249 | 250 | 247 | 247 | 265 | 285 | 282 | 270 | 258 |
| 21 | | 244 | 279 | 283 | 281 | 280 | 280 | 274 | 268 | 261 | 250 | 236 | 227 | 224 | 232 | 241 | 253 | 258 | 255 | 256 | 255 | 256 | 257 | 256 | 255 | 257 |
| 22 | | 256 | 256 | 263 | 273 | 273 | 264 | 280 | 277 | 259 | 252 | 240 | 231 | 224 | 226 | 232 | 243 | 253 | 255 | 256 | 256 | 255 | 256 | 259 | 259 | 254 |
| 23 | | 255 | 245 | 249 | 257 | 270 | 264 | 272 | 280 | 280 | 266 | 250 | 231 | 219 | 225 | 235 | 240 | 246 | 258 | 272 | 265 | 270 | 261 | 267 | 270 | 256 |
| 24 | | 242 | 262 | 273 | 278 | 281 | 282 | 295 | 287 | 265 | 259 | 246 | 227 | 225 | 231 | 235 | 245 | 251 | 257 | 258 | 259 | 258 | 258 | 259 | 254 | 258 |
| 25 | | 261 | 260 | 263 | 271 | 284 | 291 | 292 | 280 | 267 | 251 | 241 | 230 | 231 | 242 | 247 | 254 | 255 | 254 | 255 | 253 | 257 | 255 | 256 | 257 | 258 |
| 26 | Q | 260 | 261 | 267 | 272 | 278 | 281 | 281 | 277 | 267 | 252 | 238 | 229 | 233 | 238 | 248 | 254 | 258 | 257 | 254 | 251 | 250 | 255 | 254 | 254 | 257 |
| 27 | Q | 257 | 259 | 260 | 276 | 281 | 287 | 284 | 278 | 267 | 251 | 238 | 228 | 229 | 233 | 242 | 247 | 251 | 254 | 253 | 250 | 252 | 249 | 251 | 258 | 256 |
| 28 | | 254 | 253 | 261 | 272 | 282 | 288 | 289 | 284 | 270 | 252 | 240 | 229 | 227 | 231 | 238 | 249 | 256 | 256 | 261 | 256 | 262 | 290 | 282 | 283 | 261 |
| 29 | D | 290 | 296 | 268 | 255 | 281 | 286 | 292 | 283 | 263 | 247 | 232 | 225 | 226 | 228 | 237 | 243 | 254 | 253 | 249 | 249 | 256 | 257 | 253 | 263 | 258 |
| 30 | | 278 | 283 | 284 | 289 | 294 | 294 | 290 | 289 | 274 | 257 | 235 | 229 | 218 | 223 | 231 | 239 | 238 | 243 | 254 | 286 | 292 | 286 | 303 | 313 | 268 |
| 31 | D | 287 | 265 | 247 | 282 | 289 | 289 | 285 | 273 | 264 | 252 | 240 | 229 | 230 | 233 | 234 | 241 | 243 | 245 | 253 | 261 | 283 | 265 | 270 | 266 | 259 |
| All | | 264 | 269 | 270 | 272 | 276 | 279 | 280 | 275 | 263 | 249 | 236 | 226 | 226 | 231 | 238 | 244 | 249 | 252 | 254 | 256 | 258 | 259 | 262 | 266 | 256 |
| Quiet | | 263 | 265 | 271 | 277 | 280 | 281 | 279 | 275 | 264 | 248 | 234 | 226 | 228 | 234 | 241 | 246 | 249 | 252 | 251 | 250 | 252 | 254 | 259 | 259 | 256 |
| Dist. | | 276 | 277 | 268 | 271 | 273 | 277 | 278 | 270 | 260 | 245 | 235 | 226 | 227 | 232 | 236 | 242 | 245 | 251 | 251 | 254 | 264 | 266 | 263 | 265 | 256 |

April 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 261 | 270 | 243 | 222 | 232 | 242 | 247 | 248 | 249 | 251 | 255 | 262 | 270 | 271 | 269 | 275 | 282 | 279 | 279 | 266 | 271 | 272 | 269 | 257 | 260 |
| 2 | | 228 | 233 | 252 | 265 | 273 | 274 | 271 | 264 | 258 | 255 | 254 | 255 | 263 | 268 | 270 | 270 | 269 | 269 | 270 | 271 | 268 | 259 | 265 | 266 | 262 |
| 3 | | 268 | 269 | 270 | 268 | 266 | 267 | 266 | 261 | 258 | 255 | 255 | 261 | 264 | 266 | 268 | 270 | 270 | 276 | 278 | 277 | 265 | 245 | 224 | 239 | 263 |
| 4 | | 254 | 265 | 267 | 264 | 258 | 257 | 257 | 260 | 257 | 256 | 256 | 258 | 268 | 279 | 278 | 273 | 271 | 270 | 273 | 268 | 262 | 232 | 252 | 253 | 262 |
| 5 | D | 245 | 252 | 257 | 260 | 249 | 251 | 257 | 255 | 257 | 257 | 257 | 266 | 272 | 278 | 285 | 287 | 300 | 316 | 280 | 278 | 266 | 259 | 250 | 257 | 266 |
| 6 | | 265 | 264 | 264 | 267 | 270 | 273 | 273 | 271 | 266 | 262 | 261 | 265 | 270 | 273 | 273 | 277 | 273 | 273 | 276 | 274 | 262 | 253 | 234 | 227 | 265 |
| 7 | D | 237 | 248 | 233 | 230 | 236 | 244 | 251 | 248 | 254 | 254 | 251 | 254 | 264 | 281 | 299 | 310 | 302 | 292 | 261 | 265 | 266 | 264 | 236 | 224 | 259 |
| 8 | | 246 | 259 | 262 | 266 | 264 | 268 | 269 | 266 | 265 | 265 | 261 | 264 | 277 | 280 | 288 | 296 | 297 | 295 | 289 | 278 | 273 | 272 | 266 | 257 | 272 |
| 9 | | 254 | 262 | 265 | 267 | 267 | 264 | 265 | 266 | 265 | 259 | 257 | 258 | 270 | 272 | 269 | 277 | 279 | 272 | 270 | 270 | 269 | 269 | 267 | 266 | 267 |
| 10 | | 266 | 268 | 268 | 266 | 267 | 267 | 266 | 269 | 267 | 263 | 260 | 260 | 264 | 268 | 275 | 279 | 280 | 278 | 274 | 273 | 265 | 267 | 265 | 258 | 268 |
| 11 | | 230 | 234 | 251 | 252 | 256 | 260 | 256 | 258 | 258 | 252 | 248 | 248 | 254 | 261 | 264 | 265 | 268 | 274 | 278 | 278 | 274 | 258 | 189 | 180 | 252 |
| 12 | | 194 | 190 | 205 | 161 | 212 | 246 | 257 | 264 | 265 | 266 | 260 | 258 | 263 | 265 | 270 | 272 | 272 | 276 | 275 | 272 | 266 | 262 | 262 | 265 | 250 |
| 13 | | 267 | 269 | 269 | 272 | 267 | 264 | 262 | 269 | 267 | 258 | 255 | 258 | 266 | 270 | 271 | 274 | 286 | 291 | 288 | 279 | | 237 | 254 | 250 | (267) |
| 14 | | 256 | 265 | 270 | 267 | 261 | 260 | | 268 | 263 | 254 | 252 | 259 | 276 | 281 | 282 | 278 | 272 | 267 | 268 | 270 | 271 | 270 | 267 | 260 | (267) |
| 15 | | 248 | 226 | 223 | 251 | 262 | 262 | 261 | 261 | 263 | 264 | 268 | 273 | 275 | 276 | 275 | 282 | 284 | 281 | 276 | 274 | 273 | 269 | 251 | 246 | 263 |
| 16 | Q | 248 | 252 | 261 | 263 | 264 | 266 | 266 | 264 | 265 | 267 | 262 | 262 | 265 | 267 | 268 | 273 | 278 | 282 | 278 | 275 | 270 | 267 | 263 | 265 | 266 |
| 17 | Q | 270 | 271 | 273 | 270 | 266 | 266 | 265 | 263 | 260 | 257 | 251 | 252 | 259 | 264 | 268 | 273 | 275 | 274 | 274 | 272 | 272 | 265 | 254 | 247 | 265 |
| 18 | Q | 255 | 265 | 267 | 267 | 267 | 266 | 266 | 259 | 249 | 247 | 253 | 259 | 264 | 265 | 265 | 267 | 269 | 271 | 270 | 269 | 268 | 267 | 267 | 267 | 264 |
| 19 | | 268 | 269 | 269 | 267 | 264 | 263 | 264 | 261 | 257 | 252 | 253 | 257 | 264 | 265 | 270 | 287 | 298 | 298 | 297 | 281 | 273 | 272 | 271 | 271 | 270 |
| 20 | D | 270 | 272 | 272 | 270 | 270 | 268 | 268 | 269 | 267 | 269 | 281 | 286 | 279 | 273 | 271 | 271 | 273 | 277 | 280 | 276 | 269 | 253 | 250 | 259 | 270 |
| 21 | | 220 | 241 | 260 | 257 | 260 | 263 | 266 | 269 | 268 | 258 | 256 | 261 | 273 | 276 | 276 | 284 | 285 | 277 | 273 | 273 | 270 | 271 | 271 | 270 | 266 |
| 22 | | 269 | 268 | 269 | 269 | 267 | 270 | 270 | 268 | 263 | 262 | 262 | 268 | 275 | 275 | 277 | 279 | 279 | 278 | 275 | 272 | 270 | 269 | 269 | 270 | 270 |
| 23 | | 267 | 258 | 245 | 241 | 250 | 255 | 262 | 260 | 256 | 256 | 257 | 262 | 272 | 272 | 284 | 288 | 292 | 294 | 289 | 273 | 266 | 265 | 267 | 259 | 266 |
| 24 | | 252 | 234 | 256 | 265 | 266 | 268 | 267 | 269 | 272 | 273 | 265 | 273 | 283 | 288 | 280 | 277 | 274 | 274 | 273 | 272 | 272 | 271 | 270 | 267 | 269 |
| 25 | | 270 | 269 | 269 | 269 | 269 | 270 | 268 | 262 | 258 | 258 | 254 | 259 | 264 | 268 | 274 | 275 | 276 | 276 | 274 | 274 | 273 | 270 | 270 | 270 | 268 |
| 26 | Q | 271 | 272 | 272 | 273 | 274 | 271 | 265 | 261 | 261 | 256 | 254 | 263 | 271 | 271 | 273 | 272 | 272 | 272 | 272 | 271 | 271 | 269 | 267 | 269 | 268 |
| 27 | Q | 270 | 270 | 267 | 268 | 269 | 271 | 266 | 267 | 265 | 264 | 263 | 266 | 268 | 269 | 271 | 275 | 277 | 276 | 273 | 272 | 271 | 269 | 267 | 268 | 269 |
| 28 | | 268 | 267 | 268 | 268 | 269 | 266 | 263 | 256 | 252 | 255 | 262 | 267 | 272 | 275 | 284 | 295 | 296 | 296 | 291 | 283 | 264 | 241 | 239 | 244 | 268 |
| 29 | D | 251 | 256 | 244 | 223 | 233 | 249 | 262 | 263 | 264 | 267 | 272 | 278 | 282 | 276 | 273 | 274 | 280 | 279 | 278 | 274 | 261 | 239 | 211 | 209 | 258 |
| 30 | | 233 | 252 | 264 | 269 | 268 | 269 | 269 | 265 | 262 | 258 | 264 | 276 | 282 | 273 | 271 | 270 | 277 | 279 | 285 | 281 | 247 | 242 | 231 | 232 | 263 |
| 31 | D | 249 | 235 | 203 | 230 | 252 | 258 | 261 | 258 | 252 | 254 | 261 | 269 | 283 | 281 | 278 | 273 | 272 | 272 | 276 | 276 | 267 | 259 | 261 | 266 | 260 |
| All | | 253 | 256 | 257 | 256 | 259 | 262 | 263 | 263 | 261 | 259 | 259 | 263 | 270 | 272 | 275 | 278 | 280 | 280 | 277 | 274 | 268 | 260 | 254 | 253 | 265 |
| Quiet | | 263 | 266 | 268 | 268 | 268 | 268 | 266 | 263 | 260 | 258 | 257 | 260 | 265 | 267 | 269 | 272 | 274 | 275 | 273 | 272 | 270 | 267 | 264 | 263 | 266 |
| Dist. | | 250 | 253 | 242 | 243 | 248 | 254 | 260 | 259 | 259 | 260 | 264 | 270 | 276 | 278 | 281 | 283 | 285 | 287 | 275 | 274 | 266 | 255 | 241 | 243 | 263 |

Nurmijärvi Finland

June 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | D | 6 | -21 | -11 | 10 | -4 | -8 | -21 | -27 | -46 | -29 | -17 | -10 | 26 | -19 | 4 | 26 | 25 | 17 | 16 | 23 | 11 | 4 | 0 | -6 | -2 |
| 2 | | 7 | 3 | 7 | 5 | -5 | -11 | -18 | -23 | -34 | -44 | -24 | -10 | -2 | 3 | 13 | 23 | 18 | 22 | 30 | 21 | 5 | -6 | 13 | 4 | 0 |
| 3 | | -2 | -5 | -8 | -18 | -2 | 0 | -16 | -25 | -20 | -33 | -27 | -12 | 2 | 7 | 18 | 16 | 20 | 15 | 18 | 17 | 20 | 12 | 3 | -2 | -1 |
| 4 | | -4 | 2 | 10 | 8 | 10 | 3 | -1 | -14 | -24 | -29 | -25 | -17 | -4 | 7 | 14 | 11 | 5 | 6 | 12 | 17 | 10 | 10 | 2 | 2 | 1 |
| 5 | | 7 | 8 | 8 | 8 | 8 | 6 | -6 | -20 | -26 | -22 | -13 | -26 | 6 | 22 | -2 | 30 | 30 | 34 | 14 | 12 | 12 | -4 | -6 | -15 | 3 |
| 6 | | -5 | 7 | -11 | -8 | -4 | -9 | -16 | -29 | -28 | -31 | -20 | -22 | -11 | 16 | 15 | 26 | 30 | 21 | 12 | 25 | 23 | 7 | 3 | 5 | 0 |
| 7 | | 5 | -3 | 5 | 9 | 2 | -3 | -14 | -20 | -28 | -24 | -35 | -17 | -15 | 8 | 23 | 27 | 24 | 21 | 22 | 14 | 3 | -11 | -32 | -24 | -3 |
| 8 | | -21 | -2 | -7 | -4 | -6 | -15 | -30 | -40 | -44 | -34 | -28 | | 2 | 14 | 8 | 7 | -2 | 22 | 23 | 18 | 17 | | 7 | 3 | (-5) |
| 9 | D | -1 | -1 | 6 | 1 | -8 | -21 | -37 | -25 | -19 | -29 | -11 | -13 | 2 | -2 | 12 | 26 | 11 | 24 | 22 | 23 | 12 | 8 | -1 | 4 | -1 |
| 10 | | 10 | -7 | 4 | -1 | -7 | -9 | -17 | -17 | -20 | -21 | -15 | -2 | 8 | 9 | 4 | 5 | 9 | 14 | 23 | 28 | 20 | 5 | 0 | -1 | 1 |
| 11 | | -14 | -5 | 9 | 3 | -2 | -9 | -17 | -31 | -31 | -27 | -21 | -11 | -8 | | 5 | 11 | 15 | 12 | 9 | 14 | 12 | 11 | 7 | 7 | (-3) |
| 12 | | 8 | 9 | 7 | 2 | 0 | -2 | -11 | -16 | -21 | -24 | -20 | -6 | -9 | -3 | 4 | 10 | 10 | 13 | 14 | 13 | 13 | 10 | 7 | 5 | 1 |
| 13 | | 7 | 9 | 10 | 9 | 0 | -12 | -15 | -16 | -10 | -7 | -4 | -6 | 0 | 10 | 22 | 23 | 26 | 21 | 21 | 23 | 26 | 26 | 26 | 19 | 9 |
| 14 | | 28 | 30 | 30 | 24 | 15 | 11 | 6 | -5 | -6 | -8 | -4 | 11 | 28 | -12 | -17 | 8 | 25 | 6 | 10 | 21 | 15 | 12 | 11 | 13 | 11 |
| 15 | D | 10 | 19 | 18 | 11 | 4 | -2 | -44 | -53 | -24 | -8 | -3 | -1 | 44 | 12 | 31 | 31 | 27 | 12 | 14 | 7 | 10 | -1 | -7 | -2 | 4 |
| 16 | | 2 | 7 | 4 | 1 | -6 | -17 | -26 | -39 | -30 | -37 | -21 | -7 | 13 | 18 | 10 | 6 | 14 | 10 | 9 | 11 | 6 | 8 | 12 | 14 | -2 |
| 17 | | 10 | 9 | 8 | 5 | -7 | -14 | -20 | -19 | -18 | -19 | -23 | -9 | 9 | 11 | 16 | 22 | 12 | 10 | 13 | 23 | 13 | 3 | 1 | 4 | 2 |
| 18 | | 4 | 11 | 8 | 3 | 2 | -8 | -11 | -17 | -16 | -20 | -21 | -13 | 6 | 16 | 61 | 38 | 31 | 5 | 12 | 12 | 7 | 5 | 4 | 0 | 5 |
| 19 | | 3 | 2 | 11 | 15 | 9 | 1 | -10 | -18 | -27 | -19 | -12 | -12 | 5 | -4 | 9 | 12 | 11 | 17 | 13 | 18 | 16 | 12 | 9 | 10 | 3 |
| 20 | Q | 11 | 11 | 12 | 7 | 3 | -2 | -9 | -17 | -21 | -28 | -22 | -18 | -6 | 4 | 9 | 18 | 18 | 18 | 26 | 17 | 13 | 13 | 14 | 14 | 3 |
| 21 | | 14 | 15 | 16 | 14 | 11 | 5 | -2 | -13 | -19 | -14 | -9 | 1 | 7 | 16 | 19 | 19 | 13 | 13 | 21 | 19 | 16 | 12 | 11 | 9 | 8 |
| 22 | Q | 10 | 11 | 13 | 10 | 2 | -4 | -7 | -12 | -16 | -23 | -20 | -19 | -5 | 8 | 9 | 16 | 16 | 15 | 18 | 19 | 19 | 16 | 12 | 11 | 4 |
| 23 | Q | 11 | 14 | 16 | 17 | 11 | 1 | -7 | -12 | -15 | -17 | -17 | -14 | -3 | 8 | 12 | 22 | 16 | 15 | 18 | 21 | 22 | 20 | 15 | 12 | 7 |
| 24 | | 14 | 18 | 19 | 18 | 14 | 4 | -16 | -22 | -25 | -24 | -20 | -15 | 6 | 4 | 17 | 23 | 22 | 18 | 16 | 18 | 17 | 16 | 15 | 15 | 6 |
| 25 | Q | 16 | 16 | 15 | 12 | 6 | 6 | -1 | -3 | -7 | -10 | -12 | -10 | -5 | -9 | 7 | 18 | 27 | 25 | 19 | 16 | 10 | 5 | 6 | 6 | 6 |
| 26 | | 8 | 9 | 12 | 11 | 8 | -2 | -11 | -15 | -16 | -16 | -14 | -11 | 1 | 8 | 31 | 19 | 20 | 27 | 23 | 15 | 4 | 2 | 0 | -10 | 4 |
| 27 | Q | -4 | -2 | 0 | 1 | -3 | -7 | -12 | -14 | -13 | -17 | -20 | -17 | -16 | -4 | 3 | 16 | 23 | 22 | 22 | 21 | 17 | 13 | 9 | 12 | 1 |
| 28 | D | 17 | 17 | 18 | -8 | 12 | 2 | -8 | -18 | -26 | -25 | -32 | -15 | -15 | -12 | 13 | 11 | 20 | 29 | 30 | 39 | 21 | 21 | 31 | 15 | 6 |
| 29 | D | -12 | 0 | -10 | -7 | 2 | -20 | -46 | -46 | -37 | -40 | -44 | -27 | -19 | -19 | -1 | 8 | 23 | 20 | 27 | 27 | 4 | -2 | -7 | 1 | -10 |
| 30 | | -4 | -6 | 2 | 3 | -7 | -19 | -23 | -21 | -29 | -26 | -19 | -14 | -2 | 7 | 7 | 12 | 20 | 23 | 21 | 19 | 14 | 12 | 12 | 13 | 0 |
| All | | 5 | 6 | 7 | 5 | 2 | -5 | -15 | -21 | -23 | -23 | -19 | -12 | 1 | 4 | 12 | 18 | 19 | 18 | 18 | 19 | 14 | 8 | 6 | 5 | 2 |
| Quiet | | 9 | 10 | 11 | 9 | 4 | -1 | -7 | -11 | -14 | -19 | -18 | -15 | -7 | 2 | 8 | 18 | 20 | 19 | 20 | 19 | 16 | 13 | 11 | 11 | 4 |
| Dist. | | 4 | 3 | 4 | 1 | 1 | -10 | -31 | -34 | -30 | -26 | -21 | -13 | 8 | -8 | 12 | 20 | 21 | 20 | 22 | 24 | 12 | 6 | 3 | 2 | 0 |

June 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | D | 268 | 251 | 240 | 263 | 282 | 292 | 292 | 292 | 276 | 268 | 250 | 236 | 226 | 236 | 237 | 240 | 249 | 246 | 256 | 250 | 253 | 244 | 264 | 241 | 256 |
| 2 | | 256 | 264 | 275 | 283 | 283 | 288 | 285 | 281 | 267 | 254 | 243 | 229 | 226 | 234 | 238 | 243 | 255 | 249 | 248 | 265 | 260 | 241 | 255 | 265 | 258 |
| 3 | | 265 | 270 | 276 | 268 | 268 | 272 | 282 | 277 | 268 | 252 | 240 | 230 | 229 | 233 | 233 | 236 | 248 | 249 | 247 | 252 | 254 | 260 | 283 | 277 | 257 |
| 4 | | 278 | 263 | 264 | 272 | 277 | 280 | 281 | 277 | 268 | 255 | 237 | 225 | 220 | 219 | 229 | 240 | 249 | 250 | 253 | 254 | 257 | 253 | 254 | 251 | 254 |
| 5 | | 248 | 265 | 271 | 284 | 289 | 297 | 294 | 287 | 269 | 253 | 233 | 225 | 216 | 216 | 231 | 236 | 246 | 255 | 264 | 254 | 257 | 277 | 301 | 289 | 261 |
| 6 | | 264 | 267 | 266 | 260 | 272 | 278 | 293 | 291 | 278 | 261 | 239 | 227 | 225 | 227 | 249 | 243 | 244 | 249 | 253 | 254 | 261 | 258 | 260 | 260 | 257 |
| 7 | | 263 | 250 | 262 | 286 | 291 | 294 | 293 | 284 | 268 | 248 | 229 | 218 | 229 | 231 | 242 | 250 | 255 | 256 | 250 | 248 | 247 | 266 | 265 | 298 | 259 |
| 8 | | 306 | 272 | 255 | 278 | 298 | 301 | 297 | 287 | 271 | 252 | 237 | | 229 | 232 | 240 | 247 | 248 | 248 | 253 | 247 | 254 | | 254 | 257 | (262) |
| 9 | D | 248 | 267 | 283 | 283 | 289 | 286 | 271 | 259 | 260 | 254 | 247 | 237 | 237 | 226 | 225 | 228 | 247 | 270 | 249 | 246 | 247 | 254 | 255 | 252 | 255 |
| 10 | | 253 | 251 | 287 | 295 | 284 | 279 | 275 | 270 | 262 | 258 | 249 | 237 | 227 | 229 | 238 | 242 | 244 | 245 | 244 | 248 | 285 | 273 | 266 | 278 | 259 |
| 11 | | 272 | 257 | 285 | 284 | 288 | 290 | 290 | 285 | 268 | 254 | 236 | 230 | 234 | | 245 | 251 | 252 | 261 | 256 | 253 | 256 | 258 | 261 | 264 | (262) |
| 12 | | 266 | 267 | 269 | 275 | 283 | 285 | 283 | 271 | 261 | 253 | 245 | 237 | 231 | 233 | 242 | 250 | 255 | 255 | 254 | 253 | 251 | 252 | 254 | 258 | 258 |
| 13 | | 261 | 264 | 268 | 273 | 280 | 280 | 277 | 274 | 264 | 253 | 238 | 227 | 220 | 219 | 221 | 234 | 243 | 249 | 254 | 253 | 254 | 250 | 246 | 257 | 252 |
| 14 | | 258 | 263 | 270 | 275 | 276 | 283 | 286 | 283 | 272 | 260 | 238 | 227 | 227 | 241 | 243 | 252 | 250 | 254 | 255 | 254 | 262 | 254 | 259 | 261 | 258 |
| 15 | D | 259 | 267 | 273 | 283 | 283 | 282 | 288 | 247 | 234 | 244 | 244 | 234 | 229 | 247 | 240 | 251 | 255 | 261 | 252 | 253 | 279 | 262 | 258 | 257 | 258 |
| 16 | | 270 | 273 | 273 | 281 | 291 | 285 | 287 | 270 | 273 | 257 | 248 | 242 | 242 | 243 | 247 | 250 | 252 | 254 | 254 | 257 | 258 | 258 | 254 | 267 | 262 |
| 17 | | 268 | 268 | 271 | 276 | 277 | 280 | 276 | 275 | 265 | 255 | 241 | 230 | 234 | 241 | 242 | 248 | 253 | 253 | 252 | 257 | 269 | 264 | 262 | 266 | 259 |
| 18 | | 265 | 273 | 282 | 289 | 288 | 283 | 277 | 277 | 265 | 253 | 235 | 225 | 230 | 245 | 255 | 252 | 252 | 253 | 246 | 243 | 247 | 252 | 257 | 261 | 259 |
| 19 | | 268 | 271 | 279 | 284 | 284 | 279 | 273 | 268 | 257 | 252 | 244 | 238 | 242 | 246 | 247 | 251 | 255 | 252 | 251 | 250 | 250 | 252 | 256 | 259 | 259 |
| 20 | Q | 263 | 267 | 274 | 279 | 282 | 286 | 288 | 284 | 273 | 258 | 247 | 235 | 233 | 231 | 239 | 243 | 248 | 253 | 259 | 256 | 255 | 257 | 258 | 259 | 259 |
| 21 | | 260 | 264 | 266 | 271 | 278 | 284 | 286 | 280 | 272 | 259 | 240 | 227 | 225 | 231 | 237 | 243 | 248 | 251 | 254 | 253 | 254 | 260 | 261 | 263 | 257 |
| 22 | Q | 267 | 271 | 275 | 282 | 283 | 282 | 289 | 291 | 284 | 270 | 250 | 236 | 234 | 237 | 241 | 241 | 243 | 248 | 255 | 255 | 255 | 259 | 258 | 258 | 261 |
| 23 | Q | 260 | 265 | 271 | 280 | 283 | 283 | 282 | 278 | 266 | 252 | 236 | 224 | 225 | 234 | 241 | 248 | 252 | 250 | 248 | 250 | 248 | 249 | 254 | 254 | 256 |
| 24 | | 257 | 263 | 273 | 279 | 285 | 288 | 282 | 264 | 260 | 252 | 242 | 233 | 227 | 233 | 240 | 248 | 252 | 253 | 255 | 253 | 254 | 255 | 256 | 256 | 257 |
| 25 | Q | 258 | 260 | 269 | 279 | 285 | 289 | 289 | 280 | 263 | 248 | 238 | 230 | 231 | 235 | 238 | 241 | 245 | 246 | 252 | 256 | 255 | 259 | 260 | 265 | 257 |
| 26 | | 270 | 270 | 273 | 278 | 281 | 281 | 282 | 283 | 272 | 258 | 247 | 232 | 228 | 230 | 235 | 248 | 255 | 250 | 246 | 250 | 253 | 254 | 265 | 275 | 259 |
| 27 | Q | 281 | 276 | 279 | 281 | 283 | 281 | 284 | 279 | 269 | 256 | 240 | 232 | 230 | 235 | 244 | 249 | 251 | 256 | 256 | 254 | 252 | 255 | 257 | 260 | 260 |
| 28 | D | 266 | 283 | 289 | 284 | 283 | 281 | 289 | 282 | 272 | 260 | 239 | 220 | 211 | 217 | 219 | 224 | 230 | 229 | 235 | 238 | 256 | 254 | 251 | 272 | 253 |
| 29 | D | 307 | 295 | 287 | 272 | 286 | 303 | 288 | 274 | 270 | 263 | 256 | 243 | 233 | 234 | 242 | 249 | 263 | 258 | 261 | 285 | 269 | 265 | 272 | 260 | 268 |
| 30 | | 262 | 261 | 274 | 287 | 289 | 285 | 278 | 274 | 264 | 254 | 243 | 233 | 228 | 233 | 238 | 244 | 248 | 246 | 252 | 258 | 259 | 257 | 257 | 260 | 258 |
| All | | 266 | 267 | 273 | 279 | 283 | 285 | 284 | 277 | 267 | 255 | 242 | 231 | 228 | 233 | 239 | 244 | 250 | 251 | 252 | 253 | 257 | 257 | 260 | 263 | 258 |
| Quiet | | 266 | 268 | 273 | 280 | 283 | 284 | 286 | 283 | 271 | 257 | 242 | 231 | 230 | 234 | 241 | 244 | 248 | 250 | 254 | 254 | 253 | 256 | 257 | 259 | 259 |
| Dist. | | 270 | 273 | 274 | 277 | 285 | 289 | 285 | 271 | 262 | 258 | 247 | 234 | 227 | 232 | 233 | 239 | 249 | 253 | 250 | 254 | 261 | 256 | 260 | 257 | 258 |

June 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | D | 266 | 243 | 210 | 232 | 247 | 264 | 264 | 263 | 261 | 259 | 257 | 264 | 282 | 282 | 281 | 289 | 297 | 292 | 285 | 273 | 268 | 260 | 240 | 215 | 262 |
| 2 | | 216 | 242 | 264 | 266 | 268 | 271 | 269 | 264 | 260 | 259 | 262 | 270 | 276 | 281 | 283 | 284 | 286 | 278 | 278 | 273 | 261 | 254 | 248 | 259 | 265 |
| 3 | | 260 | 250 | 251 | 245 | 258 | 264 | 264 | 272 | 269 | 266 | 269 | 269 | 268 | 270 | 275 | 276 | 280 | 275 | 269 | 270 | 272 | 267 | 243 | 242 | 264 |
| 4 | | 247 | 254 | 253 | 263 | 271 | 275 | 276 | 274 | 269 | 260 | 258 | 263 | 270 | 277 | 284 | 288 | 286 | 280 | 276 | 274 | 272 | 266 | 261 | 258 | 269 |
| 5 | | 253 | 253 | 268 | 270 | 273 | 277 | 276 | 268 | 263 | 265 | 267 | 268 | 271 | 280 | 278 | 282 | 289 | 290 | 288 | 278 | 270 | 255 | 235 | 241 | 269 |
| 6 | | 248 | 249 | 253 | 255 | 258 | 266 | 268 | 268 | 268 | 257 | 257 | 264 | 271 | 283 | 291 | 281 | 279 | 278 | 277 | 272 | 243 | 249 | 264 | 262 | 265 |
| 7 | | 260 | 258 | 256 | 264 | 272 | 271 | 268 | 263 | 257 | 255 | 253 | 261 | 263 | 269 | 282 | 284 | 288 | 285 | 280 | 276 | 270 | 257 | 224 | 206 | 263 |
| 8 | | 214 | 250 | 242 | 248 | 265 | 267 | 269 | 269 | 266 | 263 | 266 | | 273 | 284 | 278 | 280 | 276 | 277 | 282 | 278 | 267 | | 273 | 271 | (266) |
| 9 | D | 254 | 235 | 258 | 269 | 272 | 272 | 270 | 272 | 273 | 271 | 269 | 277 | 285 | 286 | 293 | 314 | 314 | 302 | 286 | 266 | 259 | 258 | 259 | 244 | 273 |
| 10 | | 239 | 218 | 237 | 252 | 264 | 272 | 268 | 269 | 268 | 267 | 264 | 265 | 270 | 270 | 273 | 273 | 271 | 270 | 271 | 274 | 275 | 262 | 261 | 258 | 263 |
| 11 | | 253 | 230 | 239 | 253 | 267 | 270 | 267 | 267 | 270 | 271 | 262 | 260 | 264 | | 270 | 274 | 274 | 276 | 274 | 272 | 271 | 271 | 271 | 271 | (265) |
| 12 | | 271 | 272 | 271 | 270 | 271 | 267 | 265 | 261 | 257 | 253 | 250 | 258 | 267 | 271 | 275 | 276 | 275 | 275 | 273 | 272 | 271 | 271 | 270 | 271 | 268 |
| 13 | | 272 | 273 | 273 | 274 | 267 | 263 | 265 | 265 | 260 | 257 | 255 | 256 | 262 | 267 | 267 | 267 | 268 | 267 | 268 | 268 | 269 | 268 | 262 | 261 | 266 |
| 14 | | 267 | 269 | 269 | 269 | 265 | 262 | 264 | 265 | 264 | 259 | 264 | 274 | 293 | 305 | 302 | 292 | 290 | 286 | 283 | 282 | 279 | 275 | 275 | 276 | 276 |
| 15 | D | 272 | 272 | 275 | 274 | 273 | 269 | 271 | 270 | 275 | 271 | 267 | 273 | 303 | 325 | 301 | 310 | 318 | 316 | 296 | 286 | 283 | 271 | 272 | 266 | 284 |
| 16 | | 264 | 266 | 260 | 263 | 271 | 271 | 272 | 272 | 270 | 263 | 263 | 266 | 275 | 279 | 282 | 282 | 276 | 273 | 273 | 274 | 273 | 273 | 272 | 272 | 271 |
| 17 | | 270 | 272 | 272 | 269 | 268 | 267 | 265 | 264 | 263 | 264 | 264 | 265 | 266 | 269 | 276 | 278 | 276 | 276 | 275 | 274 | 271 | 268 | 272 | 273 | 270 |
| 18 | | 272 | 275 | 275 | 272 | 270 | 271 | 273 | 265 | 262 | 264 | 264 | 259 | 264 | 270 | 283 | 289 | 297 | 292 | 284 | 277 | 274 | 273 | 273 | 272 | 274 |
| 19 | | 270 | 262 | 264 | 267 | 267 | 265 | 266 | 265 | 261 | 259 | 259 | 261 | 272 | 277 | 282 | 286 | 283 | 280 | 278 | 275 | 274 | 273 | 273 | 273 | 270 |
| 20 | Q | 273 | 273 | 273 | 271 | 269 | 265 | 265 | 261 | 259 | 257 | 257 | 262 | 267 | 269 | 272 | 274 | 275 | 275 | 275 | 271 | 270 | 270 | 270 | 271 | 269 |
| 21 | | 272 | 272 | 272 | 270 | 269 | 269 | 267 | 263 | 261 | 252 | 249 | 254 | 258 | 261 | 268 | 275 | 276 | 274 | 273 | 272 | 271 | 267 | 268 | 269 | 267 |
| 22 | Q | 271 | 272 | 271 | 269 | 268 | 265 | 259 | 254 | 253 | 252 | 255 | 259 | 262 | 259 | 259 | 263 | 269 | 272 | 272 | 271 | 268 | 268 | 269 | 269 | 265 |
| 23 | Q | 270 | 270 | 270 | 269 | 267 | 262 | 261 | 261 | 257 | 254 | 254 | 258 | 264 | 268 | 271 | 277 | 278 | 275 | 273 | 271 | 271 | 271 | 269 | 271 | 267 |
| 24 | | 273 | 274 | 273 | 273 | 269 | 263 | 262 | 259 | 257 | 259 | 259 | 262 | 269 | 275 | 275 | 274 | 275 | 274 | 272 | 270 | 270 | 270 | 270 | 270 | 269 |
| 25 | Q | 272 | 272 | 270 | 269 | 266 | 265 | 267 | 266 | 262 | 254 | 254 | 261 | 267 | 271 | 274 | 275 | 276 | 272 | 271 | 271 | 270 | 270 | 270 | 270 | 268 |
| 26 | | 271 | 272 | 271 | 270 | 269 | 268 | 264 | 258 | 255 | 251 | 250 | 255 | 260 | 265 | 273 | 276 | 278 | 281 | 281 | 280 | 277 | 272 | 262 | 258 | 267 |
| 27 | Q | 265 | 268 | 270 | 273 | 276 | 273 | 274 | 277 | 273 | 271 | 267 | 268 | 269 | 271 | 277 | 282 | 282 | 281 | 279 | 275 | 272 | 271 | 269 | 262 | 273 |
| 28 | D | 247 | 237 | 241 | 242 | 247 | 254 | 254 | 254 | 255 | 256 | 255 | 258 | 260 | 260 | 260 | 263 | 270 | 267 | 266 | 271 | 280 | 271 | 250 | 233 | 256 |
| 29 | D | 219 | 224 | 237 | 244 | 260 | 262 | 258 | 255 | 262 | 266 | 271 | 279 | 286 | 292 | 288 | 283 | 289 | 282 | 281 | 264 | 260 | 261 | 258 | 251 | 264 |
| 30 | | 248 | 258 | 267 | 269 | 267 | 264 | 269 | 271 | 272 | 273 | 266 | 268 | 278 | 279 | 275 | 273 | 272 | 273 | 274 | 274 | 272 | 270 | 270 | 266 | 270 |
| All | | 258 | 258 | 260 | 263 | 266 | 267 | 267 | 265 | 263 | 261 | 260 | 264 | 271 | 276 | 278 | 281 | 282 | 280 | 277 | 273 | 270 | 267 | 262 | 259 | 268 |
| Quiet | | 270 | 271 | 271 | 270 | 269 | 266 | 265 | 264 | 261 | 258 | 257 | 262 | 266 | 268 | 271 | 274 | 276 | 275 | 274 | 272 | 270 | 270 | 269 | 268 | 268 |
| Dist. | | 251 | 242 | 244 | 252 | 260 | 264 | 263 | 263 | 265 | 265 | 264 | 270 | 283 | 289 | 285 | 292 | 297 | 292 | 283 | 272 | 270 | 264 | 256 | 242 | 268 |

Nurmijärvi Finland

July 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 6 | 9 | 5 | 0 | -4 | -16 | -23 | -37 | -40 | -36 | -27 | -12 | -7 | 8 | 22 | 17 | 19 | 17 | 17 | 11 | 11 | 10 | 8 | 7 | -2 |
| 2 | | 9 | 10 | 8 | -3 | -11 | -8 | -13 | -19 | -31 | -33 | -25 | -5 | -9 | 20 | 21 | 22 | 35 | 32 | 20 | 17 | 8 | 6 | -4 | -13 | 1 |
| 3 | | 6 | 6 | 10 | 6 | 1 | -14 | -29 | -42 | -36 | -29 | -23 | -12 | -4 | 5 | 9 | 11 | 16 | 14 | 23 | 22 | 9 | 8 | 7 | 5 | -1 |
| 4 | | 7 | 12 | 11 | 9 | 3 | 1 | -9 | -21 | -23 | -22 | -25 | -16 | -3 | -1 | 9 | 19 | 17 | 24 | 12 | 14 | 11 | 9 | 8 | 7 | 2 |
| 5 | | 10 | 2 | 1 | -1 | -1 | -1 | -7 | -16 | -18 | -19 | -20 | -15 | -9 | -2 | 3 | 16 | 17 | 22 | 22 | 16 | 11 | 9 | 7 | 3 | 1 |
| 6 | Q | 10 | 10 | 10 | 6 | -9 | -14 | -9 | -3 | -14 | -18 | -25 | -30 | -14 | -6 | 1 | 10 | 15 | 19 | 17 | 16 | 12 | 9 | 5 | 3 | 0 |
| 7 | Q | 7 | 6 | 6 | 7 | 7 | 4 | 4 | 2 | -10 | | | -22 | -15 | 0 | 5 | 13 | 12 | 16 | 16 | 15 | 17 | 10 | 8 | 8 | (5) |
| 8 | Q | 8 | 9 | 11 | 14 | 13 | 4 | -4 | -11 | -16 | -23 | -26 | -22 | -10 | -2 | 7 | 10 | 13 | 19 | 21 | 21 | 20 | 18 | 16 | 15 | 4 |
| 9 | Q | 14 | 13 | 17 | 18 | 15 | 8 | 2 | 6 | 1 | -10 | -21 | -19 | -13 | -4 | 3 | 11 | 12 | 22 | 27 | 21 | 22 | 19 | 17 | 16 | 8 |
| 10 | | 15 | 16 | 15 | 11 | 15 | 12 | 1 | -17 | -24 | -25 | -16 | -3 | -5 | 3 | 6 | 11 | 23 | 7 | 25 | 32 | 27 | 23 | 25 | 25 | 8 |
| 11 | | 24 | 20 | 16 | 22 | 18 | 4 | -8 | -14 | -21 | -24 | -48 | -14 | -3 | -10 | 20 | 24 | 20 | 17 | 29 | 30 | 21 | 8 | 7 | 7 | 6 |
| 12 | | 9 | 12 | 29 | 23 | 17 | 10 | 0 | -8 | -11 | -22 | -26 | -23 | -14 | -5 | 21 | 13 | 18 | 21 | 17 | 16 | 22 | 20 | 3 | 15 | 7 |
| 13 | | 2 | 4 | 12 | 4 | 1 | -6 | -27 | -45 | -41 | -32 | -22 | -22 | -6 | 8 | 27 | 7 | 20 | 35 | 24 | 9 | 5 | 10 | 10 | 10 | -1 |
| 14 | | 11 | 10 | 12 | 7 | -1 | -19 | -29 | -23 | -31 | -35 | -27 | -18 | -11 | 0 | 12 | 13 | 16 | 15 | 13 | 11 | 12 | 9 | 9 | 2 | -2 |
| 15 | | -2 | 5 | 7 | 1 | -11 | -21 | -23 | -26 | -29 | -34 | -28 | -14 | 0 | 9 | 14 | 16 | 20 | 9 | 23 | 21 | 23 | 8 | -8 | 5 | -1 |
| 16 | | 13 | 16 | 22 | 18 | 9 | 2 | -6 | -18 | -26 | -28 | -29 | -24 | -16 | -16 | 1 | 3 | 18 | 37 | 33 | 25 | 22 | 16 | -2 | -22 | 2 |
| 17 | | -59 | -83 | -142 | -11 | -11 | -16 | -17 | -52 | -46 | -45 | -62 | -63 | -41 | -26 | -6 | 9 | 18 | 22 | 16 | 6 | -1 | -3 | -1 | -7 | -26 |
| 18 | | -9 | -5 | -1 | 2 | -2 | -18 | -25 | -37 | -49 | -43 | -38 | -32 | -27 | -18 | 1 | 16 | 26 | 21 | 17 | 6 | 2 | 0 | 0 | -5 | -9 |
| 19 | | -2 | -4 | 2 | -2 | -1 | -3 | -16 | -29 | -34 | -50 | -46 | -44 | -31 | -3 | 2 | 27 | 11 | 21 | 20 | 18 | 6 | 2 | -8 | -13 | -7 |
| 20 | | -4 | -1 | -4 | -3 | -5 | -17 | -37 | -41 | -43 | -45 | -39 | -28 | -31 | -11 | 13 | 7 | 11 | 7 | 25 | 20 | 23 | 8 | 0 | -4 | -8 |
| 21 | Q | -3 | 1 | 1 | 2 | -3 | -7 | -14 | -15 | -18 | -26 | -30 | -31 | -21 | -9 | -4 | 6 | 11 | 13 | 7 | 5 | 8 | 7 | 4 | 3 | -5 |
| 22 | | 2 | 3 | 5 | 9 | 7 | -3 | -13 | -21 | -31 | -37 | -26 | -7 | -2 | -21 | 35 | -2 | 23 | 14 | 40 | 31 | 37 | -67 | -217 | -146 | -16 |
| 23 | D | -207 | -69 | -108 | -128 | -131 | -162 | -159 | -157 | -145 | -70 | -55 | -32 | 20 | 92 | 142 | 117 | 78 | 37 | 0 | -10 | -10 | -13 | -17 | -15 | -42 |
| 24 | D | -8 | -3 | -3 | -6 | -15 | -30 | -33 | -27 | -26 | -33 | -31 | -24 | 45 | -39 | -6 | 24 | 39 | 53 | 12 | 8 | 2 | -4 | -27 | -96 | -10 |
| 25 | D | -143 | -152 | -188 | -236 | -249 | -243 | -204 | -150 | -104 | 72 | 105 | 397 | 403 | 363 | 168 | 276 | 319 | 68 | 9 | -79 | -107 | -195 | -431 | -188 | -21 |
| 26 | D | -186 | -76 | -117 | -55 | -29 | -38 | -46 | -56 | -65 | -68 | -59 | -43 | -21 | -19 | -19 | -17 | -11 | -1 | 0 | -9 | -3 | -7 | 1 | -119 | -44 |
| 27 | D | -541 | -239 | -78 | 22 | -1 | -88 | -223 | -190 | -137 | -224 | -23 | 260 | 469 | 588 | 245 | 397 | 35 | 30 | -24 | -57 | -78 | -108 | -72 | -166 | -8 |
| 28 | | -42 | -33 | -46 | -60 | -49 | -96 | -79 | -57 | -52 | -43 | -50 | -43 | -13 | 11 | 28 | 48 | -3 | -22 | -14 | -8 | -28 | -37 | -37 | -32 | -32 |
| 29 | | -50 | -45 | -33 | -40 | -47 | -38 | -48 | -43 | -47 | -40 | -32 | -29 | -27 | -28 | -23 | -20 | -19 | -9 | -13 | -12 | -16 | -21 | -23 | -25 | -30 |
| 30 | | -29 | -28 | -28 | -26 | -20 | -22 | -32 | -43 | -50 | -52 | -47 | -34 | -33 | -22 | -16 | 0 | -5 | 1 | -6 | -4 | -12 | -1 | -12 | -2 | -22 |
| 31 | | -8 | -8 | -7 | -12 | -15 | -19 | -25 | -36 | -46 | -41 | -33 | -14 | -4 | -7 | 5 | 10 | -11 | -10 | -11 | -13 | -11 | -15 | -14 | -12 | -15 |
| All | | -37 | -19 | -18 | -13 | -16 | -28 | -37 | -40 | -41 | -38 | -28 | -1 | 18 | 28 | 24 | 36 | 26 | 18 | 13 | 6 | 2 | -8 | -24 | -24 | -8 |
| Quiet | | 7 | 8 | 9 | 9 | 5 | -1 | -4 | -4 | -11 | -19 | -26 | -25 | -15 | -4 | 2 | 10 | 13 | 18 | 18 | 15 | 16 | 13 | 10 | 9 | 2 |
| Dist. | | -217 | -108 | -99 | -81 | -85 | -112 | -133 | -116 | -96 | -64 | -13 | 112 | 183 | 197 | 106 | 159 | 92 | 38 | -1 | -29 | -39 | -65 | -109 | -117 | -25 |

July 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 268 | 264 | 275 | 290 | 296 | 291 | 287 | 272 | 265 | 256 | 245 | 242 | 236 | 237 | 242 | 249 | 254 | 253 | 255 | 258 | 255 | 261 | 253 | 252 | 261 |
| 2 | | 261 | 270 | 279 | 283 | 275 | 279 | 284 | 281 | 270 | 254 | 242 | 231 | 230 | 228 | 236 | 241 | 246 | 259 | 255 | 251 | 250 | 255 | 256 | 239 | 256 |
| 3 | | 262 | 279 | 276 | 288 | 298 | 296 | 288 | 272 | 256 | 245 | 234 | 220 | 216 | 229 | 236 | 247 | 253 | 258 | 261 | 269 | 259 | 255 | 258 | 261 | 259 |
| 4 | | 262 | 258 | 280 | 291 | 289 | 283 | 278 | 274 | 269 | 257 | 244 | 240 | 238 | 237 | 242 | 246 | 251 | 257 | 258 | 260 | 260 | 259 | 260 | 255 | 260 |
| 5 | | 263 | 274 | 281 | 287 | 292 | 286 | 286 | 285 | 277 | 259 | 239 | 228 | 225 | 226 | 236 | 247 | 255 | 258 | 261 | 263 | 259 | 259 | 259 | 240 | 260 |
| 6 | Q | 253 | 266 | 273 | 278 | 283 | 267 | 277 | 287 | 280 | 263 | 243 | 234 | 233 | 234 | 238 | 247 | 250 | 256 | 259 | 258 | 258 | 262 | 264 | 265 | 259 |
| 7 | Q | 266 | 269 | 276 | 282 | 286 | 292 | 292 | 293 | 283 | | | 235 | 230 | 232 | 239 | 247 | 252 | 255 | 257 | 258 | 265 | 261 | 260 | 262 | (263) |
| 8 | Q | 266 | 271 | 278 | 281 | 277 | 280 | 282 | 281 | 272 | 261 | 246 | 233 | 228 | 226 | 231 | 237 | 245 | 251 | 253 | 254 | 256 | 258 | 262 | 263 | 258 |
| 9 | Q | 264 | 268 | 273 | 281 | 282 | 278 | 280 | 279 | 274 | 260 | 248 | 240 | 238 | 237 | 238 | 241 | 245 | 249 | 253 | 258 | 252 | 256 | 256 | 256 | 259 |
| 10 | | 256 | 260 | 264 | 263 | 272 | 278 | 282 | 281 | 268 | 262 | 250 | 239 | 233 | 233 | 238 | 247 | 258 | 263 | 258 | 254 | 252 | 254 | 252 | 249 | 257 |
| 11 | | 253 | 249 | 278 | 285 | 290 | 289 | 290 | 287 | 273 | 257 | 235 | 221 | 214 | 232 | 239 | 246 | 249 | 256 | 257 | 261 | 256 | 262 | 295 | 266 | 260 |
| 12 | | 252 | 272 | 274 | 271 | 283 | 280 | 278 | 283 | 277 | 265 | 250 | 240 | 237 | 247 | 255 | 260 | 257 | 260 | 258 | 256 | 253 | 286 | 263 | 265 | 263 |
| 13 | | 249 | 251 | 281 | 285 | 295 | 304 | 293 | 274 | 281 | 274 | 256 | 244 | 237 | 238 | 239 | 244 | 254 | 256 | 272 | 276 | 267 | 256 | 261 | 269 | 265 |
| 14 | | 269 | 268 | 272 | 274 | 278 | 277 | 273 | 273 | 268 | 258 | 246 | 234 | 230 | 237 | 250 | 254 | 259 | 260 | 256 | 254 | 254 | 257 | 258 | 257 | 259 |
| 15 | | 265 | 275 | 280 | 286 | 288 | 287 | 290 | 285 | 275 | 259 | 237 | 218 | 215 | 222 | 231 | 239 | 250 | 253 | 255 | 251 | 254 | 260 | 276 | 283 | 260 |
| 16 | | 276 | 272 | 275 | 281 | 287 | 286 | 286 | 279 | 269 | 259 | 251 | 233 | 222 | 219 | 223 | 241 | 248 | 262 | 263 | 264 | 263 | 272 | 273 | 306 | 263 |
| 17 | | 302 | 254 | 250 | 276 | 282 | 284 | 297 | 280 | 282 | 277 | 263 | 256 | 251 | 248 | 249 | 257 | 264 | 268 | 272 | 270 | 275 | 268 | 269 | 265 | 269 |
| 18 | | 268 | 273 | 277 | 283 | 289 | 289 | 280 | 275 | 266 | 269 | 262 | 247 | 241 | 241 | 242 | 245 | 254 | 260 | 261 | 266 | 260 | 258 | 255 | 264 | 264 |
| 19 | | 263 | 269 | 279 | 283 | 289 | 291 | 293 | 290 | 281 | 264 | 248 | 226 | 221 | 225 | 232 | 242 | 254 | 263 | 261 | 259 | 264 | 264 | 273 | 268 | 263 |
| 20 | | 273 | 274 | 275 | 291 | 303 | 307 | 296 | 287 | 274 | 251 | 234 | 221 | 214 | 223 | 233 | 250 | 255 | 256 | 261 | 263 | 255 | 257 | 260 | 268 | 262 |
| 21 | Q | 270 | 269 | 274 | 282 | 287 | 290 | 294 | 280 | 273 | 269 | 256 | 244 | 236 | 233 | 240 | 248 | 257 | 266 | 263 | 262 | 259 | 259 | 258 | 260 | 264 |
| 22 | | 261 | 267 | 271 | 279 | 288 | 300 | 299 | 296 | 281 | 264 | 246 | 226 | 216 | 218 | 219 | 250 | 252 | 260 | 257 | 261 | 270 | 268 | 406 | 348 | 271 |
| 23 | D | 325 | 281 | 235 | 245 | 236 | 249 | 252 | 273 | 289 | 263 | 254 | 260 | 266 | 256 | 280 | 276 | 272 | 270 | 263 | 254 | 256 | 256 | 265 | 272 | 264 |
| 24 | D | 273 | 276 | 290 | 301 | 301 | 302 | 294 | 276 | 262 | 246 | 232 | 225 | 235 | 258 | 275 | 274 | 240 | 260 | 281 | 240 | 274 | 260 | 263 | 278 | 267 |
| 25 | D | 228 | 269 | 214 | 196 | 271 | 262 | 294 | 305 | 337 | 354 | 349 | 316 | 245 | 199 | 241 | 232 | 271 | 276 | 247 | 330 | 289 | 314 | 377 | 331 | 281 |
| 26 | D | 394 | 342 | 317 | 296 | 297 | 302 | 301 | 292 | 282 | 276 | 265 | 254 | 247 | 244 | 254 | 259 | 259 | 257 | 259 | 266 | 284 | 275 | 262 | 302 | 283 |
| 27 | D | 332 | 420 | 336 | 337 | 324 | 300 | 270 | 270 | 285 | 359 | 362 | 409 | 437 | 282 | 189 | 152 | 263 | 250 | 269 | 222 | 232 | 292 | 260 | 289 | 298 |
| 28 | | 281 | 280 | 279 | 291 | 295 | 292 | 286 | 292 | 292 | 287 | 274 | 260 | 249 | 256 | 262 | 270 | 262 | 272 | 269 | 290 | 273 | 273 | 269 | 276 | 276 |
| 29 | | 274 | 294 | 293 | 295 | 293 | 294 | 297 | 292 | 282 | 278 | 276 | 269 | 258 | 256 | 260 | 264 | 273 | 272 | 271 | 273 | 270 | 268 | 271 | 275 | 277 |
| 30 | | 276 | 281 | 281 | 283 | 286 | 288 | 292 | 291 | 286 | 273 | 258 | 245 | 247 | 254 | 257 | 262 | 267 | 268 | 264 | 268 | 267 | 264 | 268 | 270 | 271 |
| 31 | | 280 | 281 | 283 | 284 | 279 | 280 | 286 | 285 | 277 | 266 | 245 | 227 | 231 | 233 | 238 | 253 | 266 | 264 | 262 | 269 | 266 | 271 | 268 | 269 | 265 |
| All | | 274 | 277 | 276 | 282 | 287 | 286 | 286 | 283 | 278 | 269 | 256 | 246 | 240 | 237 | 241 | 247 | 256 | 260 | 261 | 262 | 262 | 265 | 272 | 272 | 266 |
| Quiet | | 264 | 269 | 275 | 281 | 283 | 281 | 285 | 284 | 276 | 263 | 248 | 237 | 233 | 232 | 237 | 244 | 250 | 255 | 257 | 258 | 258 | 259 | 260 | 261 | 260 |
| Dist. | | 310 | 318 | 278 | 275 | 286 | 283 | 282 | 283 | 291 | 300 | 292 | 293 | 286 | 248 | 248 | 239 | 261 | 263 | 264 | 262 | 267 | 279 | 287 | 294 | 279 |

July 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 267 | 260 | 255 | 260 | 261 | 261 | 262 | 265 | 272 | 268 | 268 | 281 | 278 | 279 | 279 | 278 | 281 | 278 | 277 | 270 | 268 | 268 | 266 | 247 | 269 |
| 2 | | 258 | 265 | 266 | 263 | 259 | 260 | 263 | 265 | 266 | 266 | 261 | 264 | 266 | 275 | 286 | 287 | 288 | 282 | 279 | 276 | 274 | 271 | 267 | 247 | 269 |
| 3 | | 244 | 255 | 267 | 272 | 271 | 265 | 266 | 262 | 253 | 253 | 257 | 265 | 277 | 281 | 276 | 275 | 277 | 275 | 276 | 272 | 271 | 270 | 270 | 269 | 267 |
| 4 | | 266 | 253 | 248 | 251 | 253 | 256 | 258 | 257 | 261 | 260 | 258 | 258 | 257 | 260 | 268 | 273 | 276 | 279 | 276 | 274 | 272 | 270 | 270 | 266 | 263 |
| 5 | | 255 | 262 | 258 | 260 | 262 | 266 | 263 | 257 | 261 | 258 | 259 | 260 | 268 | 277 | 280 | 281 | 278 | 276 | 276 | 274 | 272 | 270 | 266 | 249 | 266 |
| 6 | Q | 244 | 260 | 269 | 269 | 268 | 262 | 261 | 264 | 263 | 260 | 261 | 263 | 265 | 270 | 271 | 274 | 275 | 277 | 276 | 272 | 271 | 270 | 269 | 270 | 267 |
| 7 | Q | 271 | 271 | 271 | 268 | 267 | 267 | 266 | 264 | 266 | | | 265 | 269 | 271 | 273 | 279 | 279 | 275 | 271 | 270 | 270 | 268 | 269 | 269 | (270) |
| 8 | Q | 269 | 270 | 270 | 266 | 265 | 268 | 266 | 262 | 263 | 259 | 250 | 253 | 262 | 268 | 272 | 275 | 276 | 273 | 271 | 269 | 269 | 268 | 268 | 268 | 267 |
| 9 | Q | 268 | 268 | 267 | 264 | 267 | 269 | 269 | 261 | 258 | 260 | 261 | 264 | 268 | 271 | 275 | 277 | 278 | 278 | 278 | 276 | 273 | 272 | 271 | 271 | 269 |
| 10 | | 271 | 271 | 271 | 269 | 265 | 265 | 266 | 263 | 267 | 269 | 266 | 268 | 269 | 271 | 279 | 281 | 286 | 285 | 280 | 277 | 273 | 271 | 270 | 269 | 272 |
| 11 | | 269 | 263 | 265 | 264 | 265 | 263 | 258 | 257 | 255 | 253 | 251 | 259 | 278 | 286 | 285 | 282 | 279 | 278 | 278 | 273 | 272 | 246 | 220 | 249 | 264 |
| 12 | | 250 | 214 | 243 | 251 | 263 | 268 | 264 | 267 | 265 | 265 | 262 | 263 | 270 | 276 | 287 | 287 | 283 | 279 | 274 | 272 | 268 | 264 | 259 | 257 | 265 |
| 13 | | 231 | 184 | 207 | 236 | 251 | 261 | 263 | 267 | 267 | 265 | 261 | 264 | 271 | 280 | 287 | 287 | 292 | 293 | 290 | 277 | 275 | 264 | 263 | 272 | 263 |
| 14 | | 272 | 272 | 275 | 275 | 273 | 274 | 277 | 272 | 268 | 266 | 262 | 265 | 275 | 278 | 280 | 280 | 282 | 281 | 278 | 277 | 276 | 274 | 272 | 264 | 274 |
| 15 | | 263 | 267 | 271 | 275 | 276 | 274 | 268 | 263 | 259 | 255 | 258 | 260 | 262 | 264 | 267 | 268 | 275 | 272 | 275 | 275 | 263 | 252 | 259 | 265 | 266 |
| 16 | | 270 | 274 | 276 | 276 | 277 | 272 | 268 | 263 | 260 | 254 | 251 | 254 | 262 | 262 | 271 | 276 | 276 | 286 | 286 | 286 | 280 | 275 | 231 | 202 | 266 |
| 17 | | 120 | -30 | -44 | 215 | 279 | 277 | 268 | 269 | 288 | 287 | 280 | 278 | 286 | 292 | 297 | 301 | 305 | 301 | 295 | 289 | 282 | 277 | 272 | 274 | 248 |
| 18 | | 276 | 280 | 282 | 278 | 277 | 279 | 281 | 278 | 278 | 272 | 270 | 271 | 269 | 271 | 278 | 279 | 282 | 289 | 292 | 291 | 284 | 278 | 275 | 275 | 279 |
| 19 | | 278 | 277 | 276 | 276 | 277 | 274 | 271 | 271 | 273 | 274 | 274 | 271 | 273 | 281 | 283 | 293 | 294 | 291 | 284 | 280 | 280 | 270 | 253 | 263 | 276 |
| 20 | | 270 | 275 | 273 | 271 | 270 | 270 | 266 | 260 | 259 | 266 | 272 | 279 | 277 | 279 | 283 | 284 | 281 | 278 | 282 | 279 | 269 | 257 | 263 | 267 | 272 |
| 21 | Q | 273 | 277 | 278 | 278 | 278 | 278 | 271 | 270 | 269 | 265 | 258 | 258 | 264 | 272 | 278 | 279 | 280 | 282 | 278 | 276 | 275 | 275 | 272 | 272 | 273 |
| 22 | | 274 | 276 | 278 | 279 | 280 | 278 | 274 | 272 | 268 | 262 | 261 | 268 | 272 | 273 | 281 | 293 | 310 | 310 | 301 | 294 | 244 | 86 | -16 | -14 | 246 |
| 23 | D | -33 | 66 | 90 | 142 | 167 | 159 | 189 | 236 | 298 | 327 | 288 | 320 | 364 | 378 | 396 | 365 | 332 | 311 | 306 | 298 | 292 | 287 | 288 | 283 | 256 |
| 24 | D | 283 | 283 | 277 | 279 | 283 | 282 | 270 | 264 | 263 | 261 | 263 | 273 | 307 | 303 | 313 | 316 | 322 | 346 | 342 | 310 | 279 | 242 | 197 | 84 | 277 |
| 25 | D | 18 | -10 | 24 | 61 | 122 | 143 | 250 | 331 | 395 | 468 | 445 | 438 | 380 | 412 | 384 | 402 | 424 | 394 | 342 | 252 | 164 | 48 | -146 | 18 | 240 |
| 26 | D | -16 | 77 | 144 | 232 | 277 | 289 | 291 | 291 | 283 | 286 | 292 | 289 | 293 | 291 | 291 | 293 | 295 | 295 | 296 | 298 | 288 | 277 | 281 | 6 | 248 |
| 27 | D | -263 | -31 | 77 | 228 | 267 | 204 | 183 | 199 | 284 | 357 | 476 | 527 | 322 | -68 | 287 | 329 | 298 | 360 | 303 | 190 | 206 | 155 | 160 | 84 | 214 |
| 28 | | 227 | 279 | 281 | 286 | 297 | 292 | 304 | 302 | 305 | 310 | 309 | 307 | 314 | 333 | 340 | 333 | 309 | 310 | 307 | 305 | 292 | 284 | 254 | 264 | 298 |
| 29 | | 262 | 269 | 287 | 293 | 293 | 295 | 294 | 299 | 297 | 291 | 285 | 288 | 292 | 293 | 292 | 294 | 299 | 300 | 297 | 297 | 294 | 290 | 290 | 291 | 291 |
| 30 | | 290 | 292 | 293 | 294 | 291 | 291 | 288 | 285 | 281 | 275 | 272 | 281 | 289 | 294 | 294 | 298 | 299 | 301 | 297 | 292 | 286 | 287 | 270 | 274 | 288 |
| 31 | | 280 | 287 | 290 | 292 | 287 | 288 | 288 | 284 | 282 | 280 | 279 | 285 | 304 | 317 | 328 | 333 | 320 | 305 | 297 | 295 | 291 | 291 | 291 | 289 | 295 |
| All | | 216 | 225 | 235 | 256 | 264 | 263 | 265 | 268 | 275 | 280 | 280 | 285 | 284 | 277 | 292 | 295 | 295 | 295 | 289 | 279 | 270 | 254 | 238 | 228 | 267 |
| Quiet | | 265 | 269 | 271 | 269 | 269 | 269 | 267 | 264 | 264 | 261 | 258 | 261 | 266 | 271 | 274 | 277 | 278 | 277 | 275 | 273 | 271 | 271 | 270 | 270 | 269 |
| Dist. | | -2 | 77 | 123 | 188 | 223 | 215 | 237 | 264 | 304 | 340 | 353 | 369 | 333 | 263 | 334 | 341 | 334 | 341 | 318 | 270 | 246 | 202 | 156 | 95 | 247 |

Nurmijärvi Finland

August 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | -14 | -19 | -16 | -13 | -12 | -12 | -19 | -30 | -38 | -42 | -38 | -32 | -25 | -13 | -10 | -6 | -7 | -8 | -10 | -4 | 0 | -2 | -10 | -17 | -17 |
| 2 | | -20 | -23 | -21 | -14 | -18 | -21 | -29 | -37 | -46 | -34 | -25 | -30 | -21 | -9 | -1 | -5 | -3 | -2 | 0 | 3 | -1 | -8 | -14 | -21 | -17 |
| 3 | Q | -6 | -3 | -3 | -10 | -16 | -16 | -14 | -18 | -25 | -31 | -32 | -24 | -18 | -14 | -6 | -4 | -3 | -4 | -5 | -4 | -5 | -6 | -6 | -6 | -12 |
| 4 | Q | -6 | -5 | -5 | -6 | -9 | -10 | -14 | -19 | -27 | -29 | -32 | -24 | -17 | -8 | -5 | -11 | 0 | 6 | 7 | 6 | 5 | -1 | 1 | 0 | -8 |
| 5 | | -2 | -2 | 0 | 2 | -3 | -8 | -14 | -16 | -20 | -22 | -26 | -22 | -22 | -22 | -18 | -7 | 5 | 13 | 10 | 12 | 7 | 9 | 3 | -2 | -6 |
| 6 | | -11 | -11 | -1 | 6 | -2 | -9 | -18 | -28 | -37 | -38 | -30 | -20 | -13 | -8 | -7 | -1 | -1 | 1 | 8 | 16 | 13 | 13 | 10 | 10 | -7 |
| 7 | | 7 | 10 | 7 | -3 | -8 | -12 | -10 | -24 | -32 | -38 | -27 | -30 | -28 | -37 | -3 | -5 | -12 | -5 | 1 | 2 | 8 | -9 | -11 | -4 | -11 |
| 8 | Q | -10 | -7 | -7 | -10 | -18 | -17 | -18 | -23 | -30 | -35 | -35 | -30 | -23 | -21 | -11 | -8 | | | | | | | | | (-19) |
| 9 | | | | | | | | -35 | -53 | -38 | -30 | -27 | -26 | -26 | -15 | -12 | -7 | 8 | 21 | 26 | -1 | -15 | -27 | -42 | -87 | (-21) |
| 10 | D | -11 | -19 | 2 | -3 | -12 | -20 | -27 | -33 | -41 | -49 | -32 | -23 | -13 | 12 | 11 | 23 | 40 | 18 | 6 | -7 | -16 | -20 | -29 | -14 | -11 |
| 11 | | -8 | -6 | -5 | -10 | -12 | -17 | -17 | -30 | -44 | -47 | -22 | -17 | 0 | 12 | 11 | 16 | -5 | -1 | 5 | 9 | -2 | -6 | -8 | -5 | -9 |
| 12 | | -13 | -11 | -7 | -2 | -2 | -8 | -26 | -39 | -43 | -40 | -30 | -16 | -4 | -4 | -1 | 2 | -4 | 3 | 2 | 1 | 1 | -1 | -10 | -13 | -11 |
| 13 | | -13 | -18 | -10 | -1 | -6 | -9 | -18 | -32 | -42 | -42 | -36 | -34 | -19 | -14 | -3 | 0 | 8 | 7 | 0 | -5 | 0 | 9 | 2 | -12 | -12 |
| 14 | | 8 | 7 | 9 | 9 | 10 | 5 | -12 | -31 | -35 | -43 | -45 | -37 | -23 | -9 | 0 | 3 | 2 | -3 | 2 | 3 | 0 | -5 | -4 | -7 | -8 |
| 15 | | -7 | -6 | -3 | -2 | -3 | -8 | -20 | -35 | -47 | -54 | -46 | -31 | -5 | -9 | -2 | -3 | -2 | 2 | 0 | 0 | -1 | -8 | -9 | -10 | -13 |
| 16 | | -8 | -4 | -1 | 0 | -10 | -19 | -24 | -31 | -34 | -30 | -27 | -18 | -12 | -11 | 3 | 4 | 8 | 1 | 9 | 10 | 9 | 4 | -5 | -1 | -8 |
| 17 | | -1 | -6 | -6 | -3 | -9 | -23 | -40 | -50 | -56 | -46 | -31 | -16 | -5 | 27 | 13 | 17 | 9 | 21 | 14 | 4 | -3 | -1 | -9 | -5 | -9 |
| 18 | | -5 | 2 | -9 | -17 | -15 | -13 | -28 | -21 | -34 | -25 | -25 | -30 | -22 | -13 | -5 | 0 | 2 | 8 | 9 | 5 | 6 | 9 | 5 | 5 | -9 |
| 19 | | 0 | 0 | 3 | 0 | -3 | -8 | -15 | -25 | -33 | -33 | -32 | -17 | -10 | -4 | -2 | 17 | 2 | 10 | 7 | 10 | 13 | 4 | 4 | 4 | -5 |
| 20 | D | -1 | -12 | -1 | 5 | 4 | 0 | -4 | -11 | -19 | -26 | -31 | -19 | -16 | -1 | -12 | 1 | 14 | 10 | 2 | -5 | 1 | 1 | 0 | 1 | -5 |
| 21 | D | -7 | -8 | -20 | -20 | 4 | -3 | | | -52 | -35 | -32 | -40 | -22 | -5 | 7 | 14 | 22 | 6 | 11 | 22 | 3 | -4 | -4 | -11 | (-8) |
| 22 | | -10 | -6 | -4 | -6 | -21 | -22 | -36 | -40 | -32 | -40 | -31 | -25 | -38 | -24 | -6 | 11 | 16 | 2 | 4 | 3 | 7 | 4 | -2 | -12 | -13 |
| 23 | | -3 | -5 | -5 | -6 | -13 | -17 | -17 | -23 | -30 | -35 | -29 | -14 | -14 | -14 | -9 | -1 | 4 | 5 | 2 | -3 | -6 | -7 | -9 | -8 | -11 |
| 24 | Q | -7 | -8 | -7 | -6 | -8 | -12 | -12 | -15 | -18 | -23 | -24 | -22 | -18 | -7 | 1 | 2 | -6 | -1 | 0 | 0 | -2 | -1 | 0 | -2 | -8 |
| 25 | Q | -3 | -5 | -7 | -6 | -6 | -7 | -5 | -7 | -12 | -16 | -20 | -10 | -12 | -7 | -5 | 3 | -1 | 2 | 1 | 4 | 5 | -2 | -7 | -4 | -5 |
| 26 | | -3 | -4 | 0 | 0 | -3 | -7 | -13 | -17 | -20 | -27 | -31 | -23 | -14 | -13 | -1 | -5 | 2 | 4 | 13 | 4 | 4 | 0 | -3 | -5 | -7 |
| 27 | | -3 | -5 | -1 | -2 | -5 | -10 | -17 | -26 | -34 | -33 | -22 | -13 | -10 | -5 | -13 | -8 | -5 | 7 | 1 | -1 | -4 | -3 | 0 | -4 | -9 |
| 28 | | -10 | -5 | -1 | -1 | -3 | -2 | -15 | -23 | -45 | -37 | -25 | -8 | -5 | -3 | 3 | 6 | -3 | 3 | -5 | 6 | -4 | 4 | -4 | -4 | -8 |
| 29 | | -4 | -4 | -9 | -12 | -7 | -7 | -18 | -30 | -37 | -37 | -21 | -14 | -3 | 14 | 8 | 5 | 5 | 12 | 13 | 14 | 5 | 9 | 10 | 12 | -4 |
| 30 | D | 11 | 10 | 6 | 8 | 10 | 7 | -8 | -21 | -38 | -37 | -44 | -26 | -2 | 59 | 99 | 141 | 97 | 16 | -81 | -141 | -141 | -257 | -369 | -240 | -39 |
| 31 | D | -139 | -95 | -98 | -81 | -63 | -56 | -49 | -99 | -68 | -45 | -54 | -41 | -21 | -12 | 6 | -2 | -19 | -12 | -9 | 0 | -27 | -21 | -18 | -19 | -43 |
| All | | -10 | -9 | -7 | -7 | -9 | -12 | -20 | -29 | -36 | -35 | -31 | -24 | -15 | -6 | 1 | 6 | 6 | 5 | 1 | -1 | -5 | -11 | -18 | -16 | -12 |
| Quiet | | -6 | -6 | -6 | -7 | -11 | -12 | -13 | -16 | -22 | -27 | -29 | -22 | -17 | -11 | -5 | -3 | -2 | 1 | 1 | 2 | 1 | -2 | -3 | -3 | -9 |
| Dist. | | -29 | -25 | -22 | -18 | -11 | -14 | -22 | -41 | -44 | -38 | -39 | -30 | -15 | 11 | 22 | 35 | 31 | 8 | -14 | -26 | -36 | -60 | -84 | -57 | -22 |

August 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 270 | 251 | 281 | 304 | 298 | 301 | 298 | 289 | 280 | 266 | 252 | 246 | 243 | 242 | 245 | 255 | 265 | 271 | 268 | 270 | 271 | 288 | 274 | 277 | 271 |
| 2 | | 280 | 287 | 294 | 300 | 295 | 295 | 297 | 285 | 275 | 268 | 249 | 241 | 237 | 240 | 248 | 253 | 258 | 261 | 259 | 267 | 267 | 269 | 278 | 263 | 270 |
| 3 | Q | 274 | 280 | 285 | 289 | 284 | 283 | 282 | 281 | 274 | 266 | 251 | 239 | 234 | 241 | 247 | 254 | 258 | 261 | 265 | 266 | 267 | 268 | 271 | 272 | 266 |
| 4 | Q | 272 | 273 | 275 | 279 | 283 | 287 | 289 | 288 | 274 | 259 | 244 | 229 | 229 | 239 | 247 | 255 | 257 | 258 | 259 | 259 | 261 | 262 | 266 | 266 | 263 |
| 5 | | 269 | 271 | 274 | 282 | 288 | 290 | 287 | 281 | 271 | 255 | 236 | 226 | 224 | 232 | 240 | 251 | 260 | 262 | 262 | 259 | 266 | 263 | 275 | 278 | 263 |
| 6 | | 281 | 270 | 276 | 296 | 300 | 299 | 295 | 288 | 278 | 266 | 253 | 240 | 234 | 238 | 243 | 249 | 254 | 257 | 256 | 253 | 256 | 262 | 268 | 256 | 265 |
| 7 | | 255 | 277 | 273 | 275 | 272 | 255 | 265 | 265 | 256 | 245 | 234 | 224 | 228 | 240 | 251 | 268 | 267 | 266 | 262 | 260 | 278 | 272 | 278 | 257 | 259 |
| 8 | Q | 271 | 274 | 277 | 282 | 282 | 287 | 291 | 289 | 278 | 268 | 262 | 254 | 249 | 253 | 259 | 265 | | | | | | | | | (271) |
| 9 | | | | | | | | 285 | 266 | 258 | 255 | 246 | 241 | 239 | 239 | 246 | 254 | 268 | 274 | 286 | 284 | 292 | 299 | 283 | 282 | (267) |
| 10 | D | 314 | 312 | 278 | 281 | 288 | 290 | 285 | 282 | 272 | 256 | 246 | 242 | 248 | 249 | 264 | 265 | 269 | 275 | 286 | 272 | 267 | 308 | 296 | 286 | 276 |
| 11 | | 262 | 269 | 275 | 274 | 274 | 276 | 278 | 272 | 256 | 243 | 224 | 227 | 233 | 239 | 254 | 274 | 266 | 267 | 261 | 284 | 268 | 264 | 260 | 259 | 261 |
| 12 | | 267 | 282 | 290 | 290 | 292 | 294 | 295 | 291 | 278 | 256 | 240 | 231 | 234 | 245 | 257 | 264 | 276 | 265 | 261 | 261 | 262 | 278 | 267 | 261 | 268 |
| 13 | | 254 | 256 | 273 | 281 | 291 | 294 | 300 | 298 | 282 | 257 | 234 | 226 | 228 | 239 | 251 | 260 | 265 | 268 | 270 | 261 | 258 | 264 | 284 | 277 | 265 |
| 14 | | 288 | 290 | 291 | 293 | 298 | 301 | 305 | 297 | 282 | 258 | 229 | 220 | 221 | 233 | 247 | 256 | 262 | 264 | 259 | 261 | 264 | 267 | 268 | 270 | 268 |
| 15 | | 274 | 275 | 279 | 285 | 292 | 297 | 299 | 294 | 283 | 263 | 243 | 228 | 222 | 241 | 255 | 265 | 269 | 267 | 266 | 264 | 268 | 267 | 268 | 271 | 268 |
| 16 | | 274 | 275 | 277 | 282 | 288 | 295 | 294 | 289 | 277 | 260 | 241 | 228 | 226 | 230 | 241 | 249 | 257 | 264 | 263 | 262 | 264 | 281 | 276 | 270 | 265 |
| 17 | | 270 | 271 | 296 | 295 | 299 | 302 | 293 | 276 | 258 | 239 | 221 | 218 | 228 | 228 | 248 | 251 | 260 | 251 | 285 | 267 | 260 | 262 | 282 | 277 | 264 |
| 18 | | 281 | 284 | 285 | 294 | 292 | 296 | 294 | 265 | 260 | 248 | 232 | 226 | 228 | 237 | 244 | 254 | 260 | 261 | 261 | 263 | 262 | 269 | 272 | 252 | 263 |
| 19 | | 275 | 275 | 277 | 279 | 281 | 280 | 279 | 275 | 266 | 253 | 240 | 232 | 236 | 243 | 251 | 260 | 266 | 264 | 262 | 262 | 259 | 264 | 267 | 265 | 263 |
| 20 | D | 268 | 260 | 263 | 287 | 279 | 270 | 272 | 272 | 266 | 258 | 242 | 232 | 229 | 223 | 245 | 254 | 270 | 269 | 279 | 270 | 263 | 260 | 262 | 248 | 260 |
| 21 | D | 275 | 277 | 272 | 246 | 269 | 286 | | | 267 | 256 | 242 | 239 | 242 | 248 | 253 | 255 | 258 | 264 | 266 | 275 | 279 | 283 | 296 | 297 | (266) |
| 22 | | 306 | 286 | 283 | 281 | 277 | 273 | 268 | 270 | 269 | 258 | 247 | 235 | 244 | 248 | 252 | 263 | 288 | 259 | 261 | 260 | 253 | 275 | 279 | 265 | 267 |
| 23 | | 265 | 281 | 283 | 281 | 278 | 269 | 273 | 272 | 269 | 261 | 251 | 241 | 239 | 243 | 248 | 258 | 263 | 276 | 268 | 263 | 261 | 267 | 268 | 272 | 265 |
| 24 | Q | 275 | 272 | 272 | 276 | 279 | 277 | 280 | 283 | 278 | 268 | 255 | 244 | 242 | 245 | 252 | 258 | 268 | 263 | 260 | 262 | 266 | 265 | 265 | 267 | 266 |
| 25 | Q | 268 | 267 | 268 | 271 | 271 | 273 | 276 | 280 | 273 | 260 | 251 | 237 | 233 | 236 | 245 | 255 | 262 | 262 | 260 | 261 | 260 | 263 | 271 | 273 | 262 |
| 26 | | 274 | 273 | 278 | 281 | 282 | 286 | 288 | 287 | 276 | 266 | 252 | 237 | 234 | 236 | 241 | 254 | 255 | 257 | 261 | 261 | 261 | 272 | 271 | 259 | 264 |
| 27 | | 275 | 278 | 280 | 278 | 281 | 284 | 283 | 281 | 274 | 262 | 245 | 232 | 231 | 236 | 251 | 261 | 267 | 267 | 274 | 284 | 266 | 266 | 262 | 268 | 266 |
| 28 | | 274 | 274 | 274 | 276 | 279 | 280 | 280 | 273 | 268 | 251 | 244 | 239 | 237 | 242 | 247 | 257 | 265 | 278 | 272 | 276 | 269 | 274 | 269 | 270 | 265 |
| 29 | | 270 | 272 | 269 | 268 | 277 | 282 | 285 | 280 | 270 | 254 | 237 | 228 | 231 | 230 | 241 | 247 | 250 | 248 | 253 | 258 | 268 | 267 | 266 | 267 | 259 |
| 30 | D | 268 | 270 | 265 | 264 | 264 | 269 | 269 | 270 | 263 | 250 | 230 | 234 | 229 | 233 | 212 | 231 | 243 | 328 | 318 | 307 | 315 | 364 | 370 | 320 | 274 |
| 31 | D | 295 | 293 | 286 | 314 | 269 | 263 | 268 | 256 | 249 | 252 | 232 | 221 | 235 | 236 | 237 | 249 | 248 | 262 | 273 | 266 | 279 | 280 | 280 | 276 | 263 |
| All | | 275 | 276 | 278 | 283 | 283 | 284 | 285 | 280 | 270 | 257 | 242 | 233 | 234 | 239 | 247 | 256 | 262 | 266 | 268 | 267 | 268 | 275 | 276 | 271 | 266 |
| Quiet | | 272 | 273 | 275 | 279 | 280 | 281 | 284 | 284 | 275 | 264 | 253 | 241 | 237 | 243 | 250 | 257 | 261 | 261 | 261 | 262 | 264 | 265 | 268 | 270 | 265 |
| Dist. | | 284 | 282 | 273 | 278 | 274 | 276 | 273 | 270 | 263 | 254 | 238 | 234 | 236 | 238 | 242 | 251 | 257 | 280 | 284 | 278 | 281 | 299 | 301 | 285 | 268 |

August 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 283 | 253 | 246 | 272 | 280 | 282 | 282 | 280 | 278 | 278 | 280 | 281 | 285 | 291 | 291 | 291 | 293 | 292 | 291 | 291 | 290 | 282 | 277 | 277 | 281 |
| 2 | | 282 | 284 | 286 | 284 | 280 | 285 | 288 | 289 | 289 | 289 | 288 | 285 | 286 | 287 | 291 | 293 | 293 | 291 | 291 | 290 | 286 | 283 | 275 | 266 | 286 |
| 3 | Q | 275 | 285 | 286 | 287 | 281 | 280 | 280 | 281 | 285 | 284 | 282 | 284 | 287 | 287 | 291 | 293 | 292 | 290 | 289 | 288 | 288 | 288 | 288 | 288 | 286 |
| 4 | Q | 287 | 287 | 287 | 287 | 286 | 289 | 286 | 284 | 283 | 273 | 271 | 273 | 282 | 292 | 297 | 294 | 293 | 290 | 286 | 285 | 285 | 285 | 286 | 286 | 286 |
| 5 | | 286 | 287 | 288 | 289 | 288 | 288 | 287 | 282 | 277 | 273 | 272 | 278 | 284 | 288 | 293 | 294 | 294 | 294 | 290 | 289 | 287 | 279 | 264 | 263 | 284 |
| 6 | | 272 | 268 | 271 | 282 | 282 | 279 | 276 | 276 | 274 | 273 | 272 | 273 | 279 | 284 | 287 | 287 | 284 | 282 | 284 | 284 | 284 | 284 | 283 | 264 | 278 |
| 7 | | 240 | 265 | 278 | 278 | 277 | 272 | 270 | 275 | 278 | 283 | 283 | 281 | 301 | 302 | 305 | 314 | 306 | 300 | 294 | 293 | 283 | 276 | 277 | 262 | 283 |
| 8 | Q | 276 | 287 | 289 | 291 | 288 | 288 | 287 | 281 | 277 | 274 | 272 | 276 | 283 | 286 | 290 | 292 | | | | | | | | | (284) |
| 9 | | | | | | | | 284 | 287 | 290 | 288 | 277 | 274 | 279 | 285 | 289 | 291 | 297 | 307 | 299 | 294 | 285 | 283 | 251 | 208 | (282) |
| 10 | D | 202 | 236 | 281 | 295 | 295 | 292 | 288 | 285 | 281 | 275 | 277 | 288 | 296 | 308 | 327 | 317 | 330 | 328 | 297 | 300 | 285 | 252 | 239 | 258 | 285 |
| 11 | | 272 | 280 | 289 | 288 | 286 | 286 | 287 | 280 | 277 | 274 | 281 | 290 | 291 | 305 | 313 | 315 | 303 | 297 | 293 | 283 | 279 | 284 | 283 | 264 | 287 |
| 12 | | 255 | 268 | 271 | 283 | 286 | 283 | 280 | 279 | 278 | 275 | 274 | 279 | 289 | 296 | 297 | 298 | 297 | 289 | 286 | 286 | 286 | 284 | 281 | 276 | 282 |
| 13 | | 272 | 270 | 277 | 279 | 282 | 283 | 284 | 284 | 283 | 278 | 277 | 282 | 290 | 293 | 295 | 293 | 292 | 293 | 293 | 289 | 287 | 285 | 264 | 252 | 282 |
| 14 | | 254 | 267 | 275 | 281 | 282 | 282 | 281 | 281 | 280 | 276 | 268 | 272 | 278 | 285 | 287 | 285 | 287 | 284 | 282 | 283 | 284 | 285 | 285 | 283 | 280 |
| 15 | | 284 | 286 | 287 | 287 | 285 | 286 | 289 | 287 | 283 | 276 | 268 | 267 | 281 | 283 | 285 | 285 | 284 | 286 | 286 | 284 | 283 | 283 | 284 | 284 | 283 |
| 16 | | 285 | 285 | 286 | 286 | 284 | 283 | 281 | 277 | 274 | 271 | 272 | 277 | 283 | 286 | 292 | 291 | 290 | 290 | 288 | 285 | 285 | 283 | 280 | 281 | 283 |
| 17 | | 279 | 274 | 275 | 287 | 286 | 283 | 281 | 275 | 265 | 264 | 265 | 273 | 277 | 290 | 299 | 301 | 302 | 302 | 293 | 284 | 287 | 287 | 286 | 287 | 284 |
| 18 | | 285 | 284 | 288 | 287 | 279 | 277 | 273 | 270 | 269 | 274 | 274 | 278 | 283 | 288 | 288 | 286 | 282 | 280 | 281 | 283 | 283 | 283 | 282 | 262 | 280 |
| 19 | | 264 | 277 | 283 | 286 | 286 | 285 | 284 | 282 | 282 | 279 | 273 | 276 | 282 | 288 | 289 | 291 | 290 | 289 | 286 | 286 | 285 | 281 | 281 | 282 | 283 |
| 20 | D | 283 | 276 | 261 | 270 | 279 | 280 | 275 | 274 | 275 | 276 | 278 | 286 | 301 | 326 | 341 | 350 | 339 | 325 | 326 | 307 | 295 | 290 | 284 | 250 | 294 |
| 21 | D | 257 | 267 | 261 | 248 | 254 | 273 | | | 285 | 278 | 277 | 285 | 289 | 290 | 293 | 293 | 299 | 300 | 298 | 254 | 255 | 263 | 236 | 233 | (272) |
| 22 | | 233 | 268 | 281 | 284 | 279 | 279 | 278 | 278 | 284 | 282 | 286 | 294 | 297 | 294 | 305 | 308 | 312 | 294 | 292 | 289 | 270 | 266 | 267 | 269 | 283 |
| 23 | | 266 | 274 | 284 | 285 | 285 | 284 | 284 | 283 | 284 | 278 | 281 | 287 | 290 | 289 | 291 | 294 | 295 | 299 | 292 | 290 | 289 | 287 | 286 | 286 | 286 |
| 24 | Q | 287 | 286 | 286 | 286 | 285 | 284 | 282 | 282 | 280 | 278 | 275 | 281 | 289 | 291 | 297 | 296 | 294 | 289 | 287 | 286 | 287 | 285 | 285 | 285 | 286 |
| 25 | Q | 285 | 285 | 285 | 285 | 283 | 278 | 278 | 277 | 273 | 269 | 264 | 269 | 277 | 288 | 294 | 296 | 296 | 292 | 289 | 287 | 285 | 285 | 286 | 286 | 283 |
| 26 | | 285 | 284 | 285 | 284 | 283 | 283 | 281 | 275 | 276 | 276 | 275 | 276 | 278 | 280 | 284 | 285 | 286 | 283 | 285 | 286 | 285 | 285 | 284 | 275 | 282 |
| 27 | | 268 | 271 | 279 | 282 | 284 | 284 | 286 | 284 | 278 | 271 | 266 | 267 | 277 | 284 | 292 | 294 | 289 | 286 | 290 | 286 | 284 | 283 | 278 | 268 | 280 |
| 28 | | 275 | 281 | 281 | 281 | 283 | 284 | 286 | 285 | 282 | 280 | 274 | 274 | 278 | 284 | 288 | 289 | 290 | 293 | 289 | 281 | 278 | 273 | 279 | 282 | 282 |
| 29 | | 283 | 283 | 281 | 278 | 278 | 277 | 277 | 276 | 274 | 273 | 271 | 272 | 277 | 284 | 285 | 280 | 277 | 277 | 279 | 280 | 282 | 281 | 280 | 279 | 279 |
| 30 | D | 279 | 279 | 277 | 275 | 274 | 276 | 278 | 282 | 292 | 301 | 314 | 317 | 328 | 376 | 450 | 501 | 485 | 399 | 252 | 203 | 189 | 108 | 23 | 221 | 291 |
| 31 | D | 209 | 200 | 197 | 193 | 220 | 238 | 270 | 283 | 286 | 292 | 292 | 305 | 303 | 312 | 328 | 335 | 338 | 326 | 315 | 283 | 250 | 285 | 291 | 283 | 277 |
| All | | 269 | 273 | 277 | 279 | 280 | 281 | 281 | 280 | 280 | 278 | 277 | 281 | 287 | 294 | 302 | 304 | 304 | 298 | 290 | 284 | 279 | 275 | 268 | 269 | 283 |
| Quiet | | 282 | 286 | 287 | 287 | 285 | 284 | 283 | 281 | 279 | 276 | 273 | 277 | 284 | 289 | 294 | 294 | 294 | 290 | 288 | 286 | 286 | 286 | 286 | 286 | 285 |
| Dist. | | 246 | 252 | 256 | 256 | 264 | 272 | 278 | 281 | 284 | 284 | 288 | 296 | 303 | 322 | 348 | 359 | 358 | 336 | 297 | 269 | 255 | 240 | 214 | 249 | 284 |

Nurmijärvi Finland

September 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | -18 | -22 | -29 | -19 | -16 | -22 | -29 | -39 | -45 | -44 | -38 | -25 | -12 | -8 | 3 | -4 | -6 | -5 | -8 | -7 | -8 | -10 | -22 | -16 | -19 |
| 2 | | -14 | -12 | -11 | -11 | -15 | -24 | -26 | -28 | -40 | -46 | -42 | -27 | -15 | -5 | -2 | -8 | -13 | -8 | -8 | -3 | -1 | -1 | -7 | -7 | -16 |
| 3 | Q | -10 | -12 | -12 | -10 | -8 | -13 | -21 | -33 | -41 | -42 | -33 | -19 | -11 | -9 | -9 | -9 | -3 | -2 | -4 | -1 | 0 | -2 | -4 | -4 | -13 |
| 4 | Q | -4 | -4 | -4 | -5 | -7 | -10 | -14 | -20 | -28 | -35 | -35 | -27 | -16 | -9 | -1 | 0 | 1 | 2 | 6 | 8 | 7 | 5 | 8 | 4 | -7 |
| 5 | | 3 | 5 | 5 | 4 | 3 | 0 | -5 | -20 | -35 | -41 | -32 | -34 | -23 | -27 | -7 | 19 | -4 | 0 | -12 | -17 | -6 | -3 | -5 | -2 | -10 |
| 6 | D | -6 | -6 | -1 | 0 | -1 | -9 | -27 | -34 | -50 | -56 | -38 | -5 | -2 | -2 | -19 | -14 | -12 | -17 | -10 | -5 | -2 | 1 | -12 | -7 | -14 |
| 7 | | -14 | -14 | -8 | -7 | -12 | -32 | -33 | -38 | -35 | -43 | -47 | -35 | -29 | -17 | -12 | -20 | -12 | -2 | -3 | 0 | 0 | -2 | -3 | -9 | -18 |
| 8 | | -7 | -5 | -7 | -6 | -18 | -19 | -22 | -36 | -42 | -39 | -36 | -31 | -20 | -10 | -6 | -12 | -10 | -7 | -7 | -4 | -2 | -2 | -4 | -5 | -15 |
| 9 | | -8 | -10 | -11 | -12 | -11 | -15 | -23 | -28 | -31 | -29 | -28 | -24 | -16 | -13 | -14 | -10 | -7 | -6 | 0 | -1 | 2 | 0 | -2 | -1 | -12 |
| 10 | Q | 0 | -2 | -1 | -3 | -4 | -7 | -12 | -21 | -32 | -41 | -46 | -36 | -26 | -20 | -16 | -13 | -10 | -7 | -6 | -4 | -4 | -5 | -5 | -2 | -14 |
| 11 | Q | -4 | -4 | -4 | -3 | 0 | -1 | -7 | -17 | -28 | -31 | -27 | -23 | -11 | -7 | -6 | -8 | -7 | -2 | -1 | 0 | -5 | -7 | -3 | -3 | -9 |
| 12 | Q | -7 | -8 | -9 | -6 | -7 | -11 | -18 | -27 | -37 | -41 | -36 | -26 | -17 | -13 | -11 | -8 | -6 | 0 | -1 | -1 | -1 | -4 | -1 | -4 | -13 |
| 13 | | -5 | -8 | -10 | -12 | -14 | -14 | -14 | -17 | -25 | -29 | -25 | -17 | -13 | -10 | -8 | -5 | -2 | 1 | 3 | 5 | 32 | 21 | 28 | 13 | -5 |
| 14 | D | -3 | 0 | -11 | -8 | -5 | -47 | -41 | -23 | -22 | -33 | -47 | -39 | -31 | -12 | 12 | -10 | 2 | 10 | 6 | 13 | -41 | -51 | -28 | -15 | -18 |
| 15 | | -38 | -61 | -25 | -20 | -19 | -24 | -33 | -43 | -48 | -45 | -39 | -37 | -30 | -6 | -6 | -8 | -5 | 3 | -4 | -3 | -8 | -11 | -12 | -22 | -23 |
| 16 | D | -11 | -5 | -6 | -7 | -12 | -15 | -26 | -31 | -37 | -49 | -32 | -21 | -9 | -17 | -9 | 0 | -1 | 7 | 2 | 20 | -2 | -19 | -26 | -3 | -13 |
| 17 | D | -7 | -68 | -50 | -17 | -12 | -14 | -12 | -16 | -34 | -41 | -26 | -31 | -21 | -4 | 1 | -9 | -13 | -9 | -5 | -10 | -5 | -3 | 14 | -14 | -17 |
| 18 | | -27 | -17 | -25 | -26 | 4 | -3 | -9 | -17 | -29 | -33 | -46 | -34 | -30 | -10 | -14 | -10 | -8 | -5 | -3 | -1 | -1 | -2 | -3 | -4 | -15 |
| 19 | | -6 | -7 | -8 | -8 | -8 | -9 | -16 | -24 | -33 | -38 | -39 | -32 | -19 | -12 | -12 | -11 | -3 | 5 | -2 | -5 | -9 | -8 | -7 | -19 | -14 |
| 20 | | -24 | -7 | -3 | -2 | 1 | 2 | -5 | -22 | -71 | -49 | -48 | -28 | -23 | -12 | -11 | -18 | -6 | -6 | -4 | -4 | -4 | -3 | -1 | 4 | -14 |
| 21 | | -5 | -12 | -1 | 0 | -12 | -12 | -22 | -34 | -46 | -42 | -31 | -22 | -14 | -8 | -5 | -1 | -5 | 2 | 0 | 1 | -2 | -3 | -2 | -4 | -12 |
| 22 | D | -6 | -5 | -7 | -9 | -10 | -12 | -15 | -19 | -25 | -30 | -26 | -9 | -10 | -5 | -16 | -22 | -19 | -3 | -24 | -24 | -45 | -14 | -24 | -14 | -16 |
| 23 | | -29 | -15 | -30 | -5 | -1 | -38 | -17 | -21 | -30 | -33 | -28 | -20 | -9 | -7 | -3 | -12 | -10 | -6 | -6 | -6 | -2 | -10 | -9 | -14 | -15 |
| 24 | | -13 | -10 | -20 | -12 | -12 | -16 | -23 | -30 | -34 | -34 | -32 | -23 | -12 | -5 | -5 | -5 | -7 | -7 | -2 | -9 | -5 | -2 | -2 | -6 | -14 |
| 25 | | -6 | -4 | -6 | -6 | -10 | -11 | -14 | -20 | -26 | -25 | -19 | -22 | -23 | -25 | -18 | -12 | -8 | -1 | -3 | -5 | -3 | -6 | -4 | -3 | -12 |
| 26 | | -5 | -3 | -4 | -6 | -9 | -15 | -21 | -25 | -30 | -30 | -24 | -18 | -11 | -8 | -5 | -4 | -1 | 4 | 2 | 1 | -6 | -2 | 6 | 0 | -9 |
| 27 | | 0 | -3 | -3 | -2 | -5 | -6 | -13 | -18 | -23 | -23 | -14 | -13 | -14 | -7 | -11 | -6 | 5 | -3 | -15 | -7 | -1 | -1 | -1 | -1 | -8 |
| 28 | | -2 | -3 | -3 | -7 | 3 | -3 | -4 | -14 | -26 | -21 | -21 | -13 | -8 | -6 | -5 | -4 | -2 | 2 | 2 | 3 | 5 | 2 | 7 | 2 | -5 |
| 29 | | -3 | -6 | -4 | -1 | -1 | -5 | -10 | -19 | -23 | -23 | -21 | -13 | -10 | -5 | -5 | -3 | 0 | 3 | -5 | -2 | 0 | 2 | 2 | 1 | -6 |
| 30 | | 0 | -1 | -2 | -2 | -1 | 0 | -5 | -15 | -26 | -27 | -20 | -13 | -6 | -4 | 0 | 0 | 1 | 3 | 2 | 5 | -1 | -1 | 0 | -1 | -5 |
| All | | -9 | -11 | -10 | -8 | -7 | -13 | -18 | -25 | -34 | -36 | -32 | -24 | -16 | -10 | -7 | -8 | -6 | -2 | -4 | -2 | -4 | -5 | -4 | -5 | -13 |
| Quiet | | -5 | -6 | -6 | -5 | -5 | -8 | -14 | -23 | -33 | -38 | -35 | -26 | -16 | -12 | -9 | -8 | -5 | -2 | -1 | 0 | -1 | -3 | -1 | -2 | -11 |
| Dist. | | -6 | -17 | -15 | -8 | -8 | -19 | -24 | -25 | -34 | -42 | -34 | -21 | -15 | -8 | -6 | -11 | -9 | -2 | -6 | -1 | -19 | -17 | -15 | -10 | -16 |

September 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 275 | 285 | 280 | 282 | 287 | 289 | 290 | 289 | 282 | 264 | 249 | 245 | 242 | 246 | 251 | 259 | 266 | 270 | 270 | 266 | 266 | 282 | 279 | 280 | 271 |
| 2 | | 275 | 272 | 288 | 291 | 290 | 291 | 288 | 283 | 271 | 260 | 254 | 248 | 246 | 247 | 252 | 260 | 264 | 264 | 265 | 269 | 275 | 276 | 276 | 273 | 270 |
| 3 | Q | 275 | 274 | 277 | 280 | 282 | 285 | 284 | 280 | 275 | 265 | 251 | 239 | 235 | 240 | 248 | 253 | 259 | 264 | 266 | 263 | 265 | 268 | 269 | 269 | 265 |
| 4 | Q | 269 | 270 | 273 | 278 | 282 | 285 | 285 | 282 | 276 | 264 | 249 | 240 | 235 | 241 | 249 | 257 | 258 | 257 | 258 | 260 | 263 | 272 | 268 | 266 | 264 |
| 5 | | 267 | 269 | 275 | 280 | 285 | 290 | 292 | 289 | 276 | 260 | 245 | 238 | 232 | 240 | 250 | 251 | 274 | 274 | 273 | 272 | 261 | 263 | 263 | 266 | 266 |
| 6 | D | 255 | 271 | 277 | 282 | 287 | 294 | 286 | 277 | 272 | 251 | 239 | 230 | 240 | 241 | 244 | 250 | 266 | 314 | 273 | 267 | 267 | 265 | 239 | 260 | 264 |
| 7 | | 275 | 286 | 276 | 283 | 287 | 283 | 275 | 272 | 271 | 256 | 248 | 243 | 246 | 249 | 255 | 265 | 266 | 267 | 270 | 270 | 275 | 276 | 280 | 276 | 269 |
| 8 | | 256 | 273 | 285 | 282 | 276 | 277 | 277 | 279 | 280 | 267 | 253 | 248 | 245 | 260 | 259 | 261 | 262 | 265 | 265 | 266 | 267 | 269 | 267 | 268 | 267 |
| 9 | | 270 | 271 | 274 | 277 | 279 | 281 | 284 | 281 | 275 | 264 | 252 | 245 | 243 | 245 | 254 | 261 | 261 | 263 | 262 | 264 | 265 | 266 | 262 | 248 | 264 |
| 10 | Q | 268 | 270 | 274 | 275 | 276 | 279 | 279 | 278 | 275 | 263 | 251 | 239 | 235 | 245 | 256 | 261 | 263 | 265 | 266 | 266 | 266 | 266 | 265 | 266 | 264 |
| 11 | Q | 267 | 268 | 270 | 271 | 272 | 276 | 279 | 279 | 275 | 264 | 251 | 247 | 242 | 245 | 254 | 259 | 261 | 261 | 260 | 260 | 261 | 270 | 274 | 272 | 264 |
| 12 | Q | 273 | 274 | 276 | 275 | 276 | 281 | 284 | 285 | 279 | 264 | 249 | 242 | 243 | 252 | 261 | 267 | 268 | 267 | 268 | 268 | 268 | 268 | 269 | 270 | 268 |
| 13 | | 272 | 274 | 278 | 280 | 281 | 282 | 284 | 282 | 274 | 261 | 252 | 243 | 243 | 251 | 258 | 263 | 265 | 265 | 267 | 266 | 259 | 272 | 253 | 271 | 266 |
| 14 | D | 267 | 278 | 268 | 273 | 273 | 274 | 264 | 251 | 258 | 245 | 240 | 235 | 227 | 245 | 240 | 247 | 278 | 253 | 333 | 292 | 288 | 312 | 290 | 283 | 267 |
| 15 | | 303 | 282 | 294 | 290 | 291 | 290 | 290 | 282 | 271 | 256 | 244 | 244 | 247 | 253 | 268 | 274 | 281 | 278 | 269 | 271 | 270 | 265 | 262 | 262 | 272 |
| 16 | D | 269 | 277 | 274 | 273 | 277 | 276 | 274 | 274 | 259 | 241 | 233 | 237 | 256 | 244 | 260 | 272 | 268 | 283 | 272 | 274 | 282 | 288 | 264 | 279 | 267 |
| 17 | D | 296 | 281 | 267 | 283 | 277 | 263 | 261 | 271 | 269 | 263 | 248 | 243 | 245 | 275 | 270 | 269 | 289 | 264 | 266 | 274 | 272 | 298 | 284 | 302 | 272 |
| 18 | | 307 | 303 | 293 | 253 | 262 | 280 | 294 | 294 | 280 | 257 | 248 | 235 | 239 | 242 | 255 | 261 | 262 | 265 | 268 | 268 | 269 | 271 | 271 | 272 | 269 |
| 19 | | 272 | 273 | 274 | 275 | 278 | 283 | 288 | 287 | 276 | 264 | 253 | 247 | 247 | 252 | 257 | 261 | 266 | 270 | 271 | 272 | 275 | 279 | 270 | 308 | 271 |
| 20 | | 279 | 262 | 283 | 284 | 284 | 283 | 282 | 275 | 257 | 226 | 230 | 223 | 231 | 234 | 249 | 263 | 267 | 269 | 268 | 268 | 269 | 270 | 271 | 271 | 262 |
| 21 | | 281 | 271 | 280 | 289 | 294 | 292 | 286 | 281 | 272 | 261 | 251 | 242 | 238 | 243 | 251 | 253 | 259 | 260 | 263 | 265 | 264 | 273 | 274 | 273 | 267 |
| 22 | D | 274 | 273 | 276 | 279 | 279 | 281 | 282 | 276 | 266 | 250 | 246 | 228 | 226 | 239 | 273 | 259 | 266 | 297 | 299 | 295 | 258 | 295 | 288 | 305 | 271 |
| 23 | | 283 | 298 | 258 | 284 | 273 | 273 | 284 | 282 | 277 | 263 | 251 | 245 | 245 | 257 | 263 | 264 | 262 | 270 | 268 | 265 | 273 | 278 | 276 | 287 | 270 |
| 24 | | 275 | 291 | 291 | 286 | 283 | 283 | 283 | 280 | 270 | 253 | 247 | 241 | 248 | 253 | 258 | 263 | 267 | 273 | 265 | 270 | 266 | 263 | 264 | 272 | 269 |
| 25 | | 272 | 275 | 275 | 276 | 279 | 279 | 277 | 275 | 272 | 264 | 251 | 247 | 247 | 248 | 255 | 258 | 259 | 267 | 265 | 273 | 274 | 275 | 270 | 272 | 267 |
| 26 | | 272 | 271 | 274 | 275 | 278 | 279 | 276 | 272 | 267 | 262 | 253 | 249 | 248 | 252 | 257 | 260 | 261 | 262 | 262 | 277 | 272 | 268 | 270 | 271 | 266 |
| 27 | | 275 | 279 | 279 | 277 | 277 | 278 | 280 | 276 | 268 | 259 | 244 | 240 | 240 | 244 | 247 | 258 | 259 | 260 | 256 | 267 | 267 | 271 | 271 | 272 | 264 |
| 28 | | 274 | 273 | 274 | 271 | 272 | 274 | 275 | 267 | 264 | 255 | 251 | 250 | 249 | 251 | 256 | 258 | 259 | 261 | 262 | 265 | 267 | 279 | 279 | 277 | 265 |
| 29 | | 279 | 278 | 271 | 271 | 274 | 278 | 279 | 276 | 270 | 258 | 252 | 252 | 250 | 247 | 254 | 258 | 259 | 263 | 267 | 273 | 272 | 270 | 265 | 270 | 266 |
| 30 | | 265 | 268 | 273 | 274 | 276 | 278 | 282 | 281 | 276 | 269 | 259 | 252 | 248 | 250 | 255 | 259 | 260 | 261 | 261 | 274 | 274 | 269 | 270 | 272 | 267 |
| All | | 275 | 276 | 277 | 278 | 279 | 281 | 281 | 278 | 272 | 258 | 248 | 242 | 242 | 248 | 255 | 260 | 265 | 268 | 269 | 270 | 269 | 275 | 270 | 274 | 267 |
| Quiet | | 270 | 271 | 274 | 276 | 278 | 281 | 282 | 281 | 276 | 264 | 250 | 241 | 238 | 245 | 254 | 259 | 262 | 263 | 264 | 264 | 265 | 269 | 269 | 269 | 265 |
| Dist. | | 272 | 276 | 272 | 278 | 279 | 278 | 273 | 270 | 265 | 250 | 241 | 235 | 239 | 249 | 258 | 259 | 273 | 282 | 288 | 281 | 273 | 292 | 273 | 286 | 268 |

September 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 280 | 285 | 290 | 292 | 294 | 293 | 295 | 290 | 285 | 281 | 281 | 286 | 295 | 296 | 305 | 306 | 303 | 296 | 295 | 293 | 288 | 271 | 276 | 286 | 290 |
| 2 | | 283 | 282 | 285 | 286 | 287 | 284 | 283 | 282 | 283 | 281 | 276 | 279 | 284 | 287 | 293 | 297 | 293 | 291 | 291 | 289 | 287 | 281 | 282 | 284 | 285 |
| 3 | Q | 287 | 287 | 287 | 289 | 288 | 288 | 287 | 284 | 281 | 276 | 273 | 274 | 279 | 283 | 286 | 285 | 288 | 290 | 289 | 287 | 287 | 287 | 287 | 287 | 285 |
| 4 | Q | 287 | 286 | 287 | 288 | 287 | 286 | 283 | 283 | 281 | 277 | 275 | 273 | 278 | 284 | 287 | 288 | 287 | 286 | 286 | 286 | 286 | 287 | 285 | 283 | 284 |
| 5 | | 283 | 284 | 284 | 284 | 284 | 282 | 280 | 277 | 275 | 273 | 274 | 279 | 286 | 286 | 289 | 301 | 324 | 319 | 325 | 312 | 296 | 291 | 289 | 286 | 290 |
| 6 | D | 278 | 283 | 287 | 289 | 290 | 288 | 287 | 286 | 282 | 283 | 280 | 293 | 312 | 320 | 321 | 315 | 327 | 335 | 304 | 297 | 289 | 275 | 251 | 234 | 292 |
| 7 | | 248 | 263 | 281 | 284 | 283 | 285 | 289 | 288 | 291 | 288 | 294 | 298 | 291 | 297 | 309 | 310 | 300 | 298 | 298 | 290 | 269 | 281 | 279 | 282 | 287 |
| 8 | | 272 | 267 | 269 | 268 | 279 | 284 | 285 | 285 | 288 | 285 | 282 | 282 | 285 | 302 | 302 | 295 | 289 | 288 | 288 | 287 | 287 | 285 | 285 | 286 | 284 |
| 9 | | 287 | 287 | 287 | 287 | 287 | 286 | 283 | 282 | 279 | 280 | 280 | 283 | 290 | 291 | 292 | 290 | 289 | 288 | 288 | 284 | 283 | 281 | 269 | 285 | |
| 10 | Q | 276 | 282 | 283 | 284 | 284 | 286 | 286 | 287 | 286 | 280 | 276 | 278 | 284 | 290 | 292 | 290 | 287 | 287 | 286 | 286 | 285 | 285 | 285 | 285 | 285 |
| 11 | Q | 285 | 286 | 286 | 285 | 286 | 287 | 286 | 285 | 285 | 283 | 279 | 281 | 286 | 291 | 295 | 292 | 288 | 289 | 290 | 289 | 290 | 286 | 283 | 281 | 286 |
| 12 | Q | 283 | 285 | 287 | 288 | 289 | 290 | 290 | 287 | 283 | 279 | 278 | 278 | 280 | 284 | 287 | 286 | 283 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 |
| 13 | | 285 | 285 | 286 | 286 | 286 | 286 | 282 | 280 | 281 | 280 | 279 | 278 | 281 | 284 | 284 | 284 | 283 | 284 | 284 | 284 | 281 | 290 | 292 | 288 | 284 |
| 14 | D | 274 | 276 | 264 | 249 | 250 | 256 | 264 | 273 | 280 | 278 | 288 | 308 | 324 | 351 | 336 | 336 | 327 | 312 | 328 | 238 | 230 | 237 | 263 | 195 | 281 |
| 15 | | 192 | 209 | 236 | 257 | 284 | 294 | 295 | 294 | 292 | 291 | 294 | 297 | 294 | 299 | 318 | 316 | 315 | 293 | 295 | 293 | 278 | 277 | 271 | 243 | 280 |
| 16 | D | 231 | 252 | 263 | 268 | 274 | 282 | 285 | 287 | 282 | 279 | 282 | 295 | 318 | 304 | 316 | 311 | 306 | 299 | 284 | 270 | 265 | 263 | 214 | 232 | 278 |
| 17 | D | 253 | 215 | 195 | 241 | 263 | 275 | 281 | 282 | 284 | 289 | 291 | 296 | 302 | 325 | 328 | 321 | 324 | 302 | 297 | 297 | 292 | 276 | 216 | 215 | 277 |
| 18 | | 219 | 222 | 210 | 220 | 243 | 259 | 271 | 276 | 277 | 280 | 281 | 287 | 284 | 285 | 285 | 288 | 287 | 287 | 287 | 287 | 286 | 286 | 286 | 286 | 270 |
| 19 | | 287 | 287 | 287 | 287 | 289 | 289 | 287 | 283 | 279 | 281 | 284 | 284 | 286 | 288 | 289 | 290 | 291 | 292 | 292 | 290 | 285 | 277 | 245 | 233 | 282 |
| 20 | | 257 | 269 | 281 | 286 | 286 | 285 | 285 | 282 | 285 | 287 | 284 | 283 | 284 | 294 | 297 | 298 | 294 | 292 | 289 | 288 | 287 | 287 | 287 | 280 | 285 |
| 21 | | 279 | 272 | 270 | 269 | 266 | 272 | 279 | 279 | 279 | 275 | 274 | 276 | 281 | 288 | 287 | 287 | 287 | 287 | 287 | 286 | 287 | 289 | 287 | 286 | 280 |
| 22 | D | 286 | 285 | 284 | 284 | 286 | 284 | 282 | 279 | 282 | 278 | 276 | 284 | 292 | 324 | 357 | 328 | 324 | 283 | 276 | 270 | 195 | 242 | 219 | 206 | 279 |
| 23 | | 214 | 219 | 216 | 239 | 266 | 268 | 274 | 278 | 279 | 277 | 281 | 286 | 288 | 291 | 293 | 294 | 292 | 292 | 289 | 289 | 287 | 285 | 276 | 265 | 272 |
| 24 | | 276 | 270 | 266 | 275 | 281 | 286 | 288 | 288 | 286 | 282 | 282 | 287 | 289 | 290 | 289 | 289 | 291 | 293 | 289 | 291 | 290 | 286 | 280 | 283 | 284 |
| 25 | | 286 | 286 | 286 | 286 | 287 | 287 | 287 | 286 | 285 | 282 | 280 | 286 | 289 | 292 | 295 | 296 | 293 | 292 | 290 | 291 | 290 | 288 | 289 | 288 | 288 |
| 26 | | 286 | 285 | 285 | 286 | 287 | 287 | 286 | 286 | 285 | 280 | 276 | 278 | 280 | 283 | 285 | 284 | 284 | 286 | 287 | 287 | 286 | 287 | 275 | 273 | 283 |
| 27 | | 277 | 281 | 282 | 282 | 283 | 284 | 281 | 276 | 276 | 275 | 276 | 282 | 283 | 286 | 288 | 287 | 292 | 299 | 308 | 302 | 294 | 290 | 288 | 287 | 286 |
| 28 | | 286 | 285 | 283 | 280 | 278 | 276 | 278 | 278 | 282 | 283 | 281 | 284 | 282 | 284 | 285 | 283 | 284 | 285 | 285 | 286 | 286 | 287 | 266 | 265 | 281 |
| 29 | | 276 | 280 | 282 | 284 | 284 | 284 | 282 | 280 | 279 | 276 | 275 | 275 | 277 | 282 | 286 | 285 | 284 | 287 | 291 | 290 | 287 | 282 | 276 | 269 | 281 |
| 30 | | 272 | 277 | 281 | 282 | 283 | 283 | 282 | 283 | 281 | 280 | 278 | 277 | 277 | 280 | 283 | 283 | 282 | 283 | 284 | 285 | 282 | 284 | 284 | 284 | 281 |
| All | | 269 | 271 | 272 | 276 | 280 | 283 | 283 | 283 | 283 | 281 | 280 | 284 | 288 | 295 | 298 | 297 | 297 | 293 | 292 | 287 | 281 | 280 | 273 | 267 | 283 |
| Quiet | | 284 | 285 | 286 | 287 | 287 | 287 | 286 | 285 | 283 | 279 | 276 | 277 | 281 | 286 | 289 | 288 | 287 | 287 | 287 | 286 | 286 | 286 | 285 | 284 | 285 |
| Dist. | | 264 | 262 | 259 | 266 | 273 | 277 | 280 | 281 | 282 | 281 | 283 | 295 | 310 | 325 | 332 | 322 | 322 | 306 | 298 | 274 | 254 | 259 | 233 | 216 | 281 |

Nurmijärvi Finland

October 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | -2 | -2 | -1 | -2 | -1 | -3 | -10 | -19 | -28 | -34 | -25 | -16 | -10 | -2 | 0 | 2 | 5 | 3 | 5 | 2 | 9 | 10 | 5 | 7 | -4 |
| 2 | | 5 | -1 | -2 | 5 | 7 | 5 | -10 | -18 | -28 | -33 | -36 | -45 | -33 | -13 | -11 | -20 | -21 | -12 | -18 | -9 | -9 | -5 | -5 | 3 | -13 |
| 3 | | 0 | -1 | -1 | 0 | -1 | -6 | -14 | -21 | -31 | -36 | -30 | -29 | -13 | -14 | -10 | -29 | -29 | -33 | -39 | -29 | -19 | -2 | -22 | -38 | -19 |
| 4 | D | -18 | -18 | -15 | -8 | -17 | -10 | -8 | -14 | -27 | -26 | -28 | -28 | -28 | -22 | -13 | -23 | -26 | -21 | -21 | -20 | -17 | -20 | -19 | -11 | -19 |
| 5 | | -7 | -12 | -12 | -10 | -5 | -9 | -10 | -11 | -18 | -17 | -21 | -20 | -16 | -11 | -8 | -8 | -6 | -7 | -8 | -3 | -5 | -5 | -9 | -13 | -11 |
| 6 | | -11 | -8 | -8 | -5 | -3 | 3 | 0 | -12 | -21 | -32 | -32 | -29 | -24 | -17 | -13 | -9 | -7 | -7 | -6 | -6 | -8 | -8 | -5 | -6 | -11 |
| 7 | Q | -6 | -5 | -5 | -5 | -1 | 0 | -3 | -15 | -24 | -30 | -31 | -29 | -24 | -16 | -9 | -4 | -3 | -1 | 1 | 2 | 2 | 2 | 2 | 3 | -8 |
| 8 | | 4 | 3 | 3 | 5 | 6 | 8 | 3 | -11 | -20 | -24 | -22 | -17 | -13 | -8 | 3 | -5 | -8 | 2 | 4 | 4 | 4 | 0 | 0 | -6 | -4 |
| 9 | | 3 | -1 | -2 | -6 | -4 | -4 | -7 | -13 | -20 | -31 | -26 | -20 | -12 | -11 | -9 | -4 | -3 | -3 | -7 | -4 | -2 | -2 | -1 | -4 | -8 |
| 10 | | -8 | -16 | 0 | -1 | -6 | -6 | -9 | -15 | -18 | -20 | -24 | -19 | -7 | -5 | -9 | -4 | -3 | -3 | -5 | -6 | -11 | -9 | 2 | -9 | -9 |
| 11 | | -12 | -21 | -17 | -25 | -18 | -9 | -12 | -11 | -22 | -26 | -24 | -19 | -22 | -24 | -23 | -10 | -9 | -3 | -4 | -6 | -6 | -8 | -13 | -8 | -15 |
| 12 | | -5 | -11 | -16 | -14 | -7 | -7 | -7 | -13 | -31 | -27 | -24 | -23 | -16 | -9 | -5 | -8 | -8 | -5 | -3 | -2 | -1 | 5 | -14 | 12 | -10 |
| 13 | D | -15 | -34 | -45 | 4 | 5 | -38 | -33 | -31 | -38 | -31 | -38 | -15 | -16 | -21 | -12 | -37 | -36 | -40 | -30 | -16 | -26 | -21 | -25 | -23 | -26 |
| 14 | D | -17 | -18 | -13 | -16 | -3 | -13 | -43 | -44 | -40 | -41 | -39 | -37 | -32 | -22 | -25 | -14 | -10 | -31 | -18 | 5 | -13 | -15 | -17 | -18 | -22 |
| 15 | | -14 | -15 | -16 | -16 | -8 | -6 | -10 | -20 | -25 | -38 | -43 | -34 | -25 | -22 | -18 | -16 | -12 | -9 | -10 | -14 | 2 | 3 | -5 | -11 | -16 |
| 16 | | -13 | -18 | -9 | -4 | -1 | -2 | -6 | -17 | -26 | -33 | -34 | -27 | -19 | -12 | -10 | -9 | -7 | -5 | -4 | -3 | -4 | -4 | -4 | -5 | -11 |
| 17 | Q | -5 | -5 | -4 | -1 | 2 | 2 | -3 | -11 | -20 | -29 | -31 | -25 | -16 | -8 | -5 | -3 | -2 | -1 | -1 | -1 | -1 | -2 | -2 | -1 | -7 |
| 18 | | -1 | -1 | -1 | 1 | 4 | 6 | 2 | -9 | -22 | -31 | -32 | -27 | -18 | -6 | -1 | -6 | -5 | 1 | -5 | -9 | -3 | -1 | 3 | 0 | -7 |
| 19 | | -2 | -2 | -4 | -2 | -1 | -2 | -5 | -11 | -22 | -30 | -30 | -25 | -16 | -9 | -1 | -8 | -4 | -2 | 4 | 4 | 2 | 2 | 6 | 5 | -6 |
| 20 | | 2 | 5 | 5 | 7 | -5 | -14 | -7 | -8 | -18 | -23 | -26 | -23 | -16 | -7 | -18 | -24 | -27 | -14 | -12 | -11 | -15 | -11 | -13 | -23 | -12 |
| 21 | | -9 | -10 | -10 | -11 | -4 | 0 | -12 | -26 | -23 | -27 | -32 | -28 | -22 | -16 | -12 | -10 | -8 | -7 | -8 | -6 | -1 | -11 | -4 | -6 | -13 |
| 22 | | -5 | -8 | -7 | -6 | -6 | -6 | -8 | -18 | -29 | -31 | -29 | -26 | -16 | -11 | -13 | -9 | -9 | -3 | -6 | -4 | -2 | -3 | -4 | -2 | -11 |
| 23 | Q | -3 | -3 | -3 | -1 | 1 | 0 | -6 | -15 | -23 | -26 | -20 | -13 | -7 | -3 | -4 | -3 | -1 | -3 | 0 | 1 | 0 | -2 | 1 | 3 | -6 |
| 24 | | 4 | -1 | -1 | 0 | 1 | -1 | -12 | -25 | -34 | -30 | -21 | -16 | -8 | -2 | -1 | 3 | 1 | 1 | -24 | -29 | -14 | -15 | -10 | -13 | -10 |
| 25 | | -13 | -6 | -13 | 9 | 3 | 2 | -2 | -21 | -31 | -36 | -31 | -22 | -16 | -14 | -10 | -7 | -9 | -16 | -8 | -8 | -9 | -4 | 0 | -7 | -11 |
| 26 | Q | -7 | -10 | -9 | -9 | -8 | -9 | -13 | -23 | -32 | -35 | -29 | -20 | -10 | -6 | -5 | -5 | -4 | -4 | -3 | -3 | -3 | -3 | -3 | -4 | -11 |
| 27 | | -4 | -4 | -4 | -1 | 0 | -2 | -9 | -20 | -28 | -29 | -24 | -15 | 0 | 2 | 2 | 3 | -3 | -6 | -2 | -1 | 3 | 0 | -1 | -2 | -6 |
| 28 | Q | -3 | -4 | -3 | -4 | -2 | -3 | -8 | -15 | -21 | -21 | -16 | -9 | -3 | -1 | -1 | 0 | 2 | 3 | 3 | 4 | 3 | 4 | 1 | -1 | -4 |
| 29 | | -1 | -3 | -2 | 0 | 2 | 1 | -5 | -12 | -21 | -24 | -24 | -17 | -14 | -9 | -9 | -14 | -16 | -14 | -13 | -22 | -14 | -10 | -10 | -12 | -11 |
| 30 | D | -10 | -3 | 4 | 4 | -10 | -9 | -15 | -29 | -40 | -40 | -40 | -31 | -25 | -20 | -20 | -11 | -14 | -10 | -7 | -7 | -21 | -22 | -28 | -16 | -18 |
| 31 | D | -15 | -16 | -17 | -18 | -11 | -8 | -9 | -17 | -26 | -30 | -37 | -35 | -24 | -22 | -31 | -24 | -27 | -19 | -15 | -14 | 6 | -7 | -15 | -20 | -19 |
| All | | -6 | -8 | -7 | -4 | -3 | -4 | -9 | -17 | -26 | -30 | -29 | -24 | -17 | -12 | -10 | -10 | -10 | -9 | -8 | -7 | -6 | -5 | -7 | -7 | -11 |
| Quiet | | -5 | -5 | -5 | -4 | -2 | -2 | -7 | -16 | -24 | -28 | -25 | -19 | -12 | -7 | -5 | -3 | -2 | -1 | 0 | 1 | 0 | 0 | 0 | 0 | -7 |
| Dist. | | -15 | -18 | -17 | -7 | -7 | -15 | -22 | -27 | -34 | -34 | -36 | -29 | -25 | -22 | -20 | -22 | -22 | -24 | -18 | -11 | -14 | -17 | -21 | -17 | -21 |

October 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 272 | 272 | 271 | 272 | 275 | 278 | 279 | 276 | 270 | 263 | 253 | 246 | 247 | 250 | 256 | 258 | 257 | 259 | 260 | 262 | 269 | 270 | 268 | 268 | 265 |
| 2 | | 271 | 272 | 268 | 272 | 269 | 269 | 269 | 270 | 268 | 254 | 239 | 223 | 233 | 237 | 255 | 263 | 265 | 269 | 289 | 270 | 274 | 274 | 268 | 266 | 263 |
| 3 | | 265 | 270 | 270 | 271 | 272 | 272 | 267 | 260 | 259 | 244 | 235 | 229 | 237 | 240 | 261 | 244 | 266 | 289 | 303 | 299 | 286 | 319 | 297 | 280 | 268 |
| 4 | D | 312 | 292 | 279 | 282 | 269 | 272 | 281 | 281 | 279 | 270 | 257 | 252 | 249 | 248 | 256 | 260 | 265 | 271 | 286 | 304 | 286 | 286 | 273 | 252 | 273 |
| 5 | | 275 | 284 | 283 | 277 | 278 | 279 | 285 | 284 | 282 | 274 | 265 | 258 | 255 | 258 | 263 | 265 | 265 | 266 | 266 | 275 | 278 | 278 | 294 | 280 | 274 |
| 6 | | 276 | 276 | 278 | 275 | 273 | 273 | 279 | 282 | 282 | 273 | 260 | 249 | 248 | 252 | 258 | 265 | 266 | 265 | 266 | 272 | 280 | 274 | 273 | 270 | 269 |
| 7 | Q | 274 | 277 | 275 | 273 | 273 | 276 | 278 | 279 | 274 | 264 | 258 | 253 | 248 | 249 | 256 | 260 | 261 | 261 | 263 | 265 | 266 | 268 | 270 | 270 | 266 |
| 8 | | 271 | 271 | 271 | 271 | 271 | 270 | 277 | 277 | 274 | 264 | 251 | 241 | 240 | 243 | 248 | 255 | 257 | 259 | 263 | 265 | 267 | 285 | 289 | 287 | 265 |
| 9 | | 269 | 281 | 283 | 276 | 273 | 276 | 277 | 275 | 267 | 264 | 257 | 249 | 248 | 251 | 259 | 260 | 260 | 257 | 260 | 266 | 269 | 271 | 273 | 282 | 267 |
| 10 | | 293 | 289 | 278 | 292 | 280 | 276 | 280 | 280 | 273 | 265 | 260 | 257 | 252 | 248 | 257 | 261 | 266 | 264 | 269 | 276 | 286 | 283 | 285 | 277 | 273 |
| 11 | | 275 | 268 | 262 | 265 | 267 | 269 | 278 | 278 | 275 | 277 | 265 | 250 | 246 | 240 | 254 | 281 | 261 | 274 | 270 | 277 | 282 | 288 | 298 | 265 | 269 |
| 12 | | 272 | 283 | 274 | 282 | 271 | 273 | 278 | 281 | 284 | 281 | 269 | 261 | 256 | 257 | 259 | 258 | 259 | 261 | 266 | 270 | 269 | 275 | 285 | 304 | 272 |
| 13 | D | 304 | 287 | 230 | 264 | 272 | 257 | 232 | 249 | 254 | 252 | 247 | 230 | 226 | 227 | 257 | 273 | 280 | 286 | 317 | 332 | 292 | 286 | 273 | 284 | 267 |
| 14 | D | 265 | 240 | 260 | 270 | 278 | 274 | 263 | 263 | 262 | 257 | 251 | 234 | 246 | 248 | 266 | 300 | 334 | 276 | 277 | 285 | 293 | 288 | 263 | 259 | 269 |
| 15 | | 259 | 269 | 269 | 257 | 269 | 279 | 284 | 286 | 275 | 268 | 257 | 245 | 245 | 263 | 262 | 266 | 270 | 285 | 289 | 285 | 283 | 284 | 275 | 277 | 271 |
| 16 | | 275 | 255 | 262 | 276 | 275 | 278 | 284 | 289 | 286 | 277 | 266 | 253 | 252 | 259 | 265 | 265 | 266 | 267 | 269 | 270 | 272 | 272 | 273 | 272 | 270 |
| 17 | Q | 271 | 272 | 270 | 270 | 271 | 277 | 282 | 288 | 285 | 273 | 263 | 252 | 250 | 255 | 262 | 265 | 265 | 267 | 268 | 269 | 271 | 272 | 271 | 270 | 269 |
| 18 | | 270 | 269 | 269 | 269 | 271 | 276 | 283 | 288 | 285 | 273 | 259 | 248 | 246 | 248 | 255 | 256 | 262 | 261 | 262 | 274 | 311 | 288 | 283 | 277 | 270 |
| 19 | | 275 | 272 | 274 | 273 | 274 | 274 | 279 | 282 | 279 | 269 | 260 | 250 | 243 | 249 | 256 | 251 | 260 | 259 | 263 | 267 | 270 | 274 | 286 | 279 | 267 |
| 20 | | 274 | 273 | 272 | 274 | 269 | 272 | 268 | 276 | 280 | 272 | 261 | 249 | 241 | 238 | 235 | 237 | 253 | 264 | 270 | 272 | 274 | 278 | 279 | 269 | 265 |
| 21 | | 267 | 282 | 280 | 284 | 260 | 262 | 279 | 281 | 278 | 266 | 259 | 255 | 257 | 261 | 266 | 267 | 268 | 268 | 270 | 270 | 276 | 278 | 273 | 275 | 270 |
| 22 | | 256 | 273 | 275 | 277 | 275 | 276 | 282 | 283 | 279 | 266 | 252 | 250 | 249 | 255 | 260 | 263 | 263 | 283 | 269 | 276 | 272 | 270 | 270 | 267 | 268 |
| 23 | Q | 267 | 268 | 269 | 269 | 270 | 275 | 281 | 281 | 272 | 261 | 252 | 248 | 251 | 254 | 258 | 260 | 261 | 263 | 262 | 266 | 268 | 270 | 269 | 277 | 266 |
| 24 | | 277 | 270 | 268 | 270 | 273 | 275 | 280 | 281 | 276 | 265 | 252 | 248 | 246 | 248 | 251 | 250 | 250 | 257 | 304 | 292 | 279 | 289 | 286 | 274 | 269 |
| 25 | | 269 | 273 | 281 | 269 | 280 | 277 | 276 | 270 | 267 | 260 | 246 | 243 | 243 | 253 | 261 | 264 | 263 | 281 | 271 | 270 | 274 | 274 | 269 | 270 | 267 |
| 26 | Q | 272 | 271 | 271 | 275 | 276 | 279 | 278 | 276 | 269 | 261 | 252 | 250 | 254 | 260 | 263 | 264 | 265 | 265 | 267 | 269 | 270 | 272 | 271 | 272 | 268 |
| 27 | | 271 | 272 | 273 | 274 | 275 | 277 | 282 | 283 | 275 | 264 | 257 | 255 | 254 | 257 | 259 | 257 | 263 | 273 | 261 | 264 | 271 | 276 | 276 | 274 | 268 |
| 28 | Q | 273 | 271 | 272 | 271 | 274 | 277 | 279 | 276 | 271 | 262 | 254 | 253 | 256 | 261 | 262 | 262 | 262 | 262 | 264 | 264 | 266 | 281 | 279 | 274 | 268 |
| 29 | | 269 | 270 | 270 | 272 | 274 | 276 | 279 | 278 | 272 | 259 | 248 | 239 | 228 | 240 | 247 | 245 | 255 | 261 | 269 | 312 | 301 | 280 | 274 | 275 | 266 |
| 30 | D | 288 | 277 | 290 | 282 | 265 | 276 | 278 | 274 | 268 | 264 | 258 | 252 | 246 | 260 | 267 | 263 | 287 | 270 | 269 | 272 | 296 | 351 | 292 | 290 | 276 |
| 31 | D | 275 | 276 | 275 | 275 | 280 | 278 | 279 | 280 | 279 | 269 | 260 | 252 | 245 | 251 | 264 | 316 | 273 | 272 | 274 | 285 | 273 | 291 | 308 | 298 | 276 |
| All | | 274 | 273 | 272 | 273 | 273 | 274 | 277 | 278 | 274 | 265 | 255 | 248 | 246 | 250 | 258 | 263 | 266 | 268 | 273 | 277 | 278 | 282 | 279 | 275 | 269 |
| Quiet | | 271 | 272 | 272 | 271 | 273 | 277 | 280 | 280 | 274 | 264 | 256 | 251 | 252 | 256 | 260 | 262 | 263 | 264 | 265 | 267 | 268 | 272 | 272 | 272 | 267 |
| Dist. | | 289 | 274 | 267 | 274 | 273 | 271 | 267 | 269 | 268 | 262 | 255 | 244 | 242 | 247 | 262 | 282 | 288 | 275 | 285 | 296 | 288 | 300 | 282 | 277 | 272 |

October 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 284 | 283 | 283 | 283 | 284 | 284 | 284 | 283 | 282 | 280 | 277 | 278 | 280 | 282 | 284 | 283 | 284 | 285 | 285 | 285 | 280 | 277 | 280 | 281 | 282 |
| 2 | | 281 | 280 | 279 | 279 | 278 | 277 | 277 | 279 | 277 | 276 | 281 | 286 | 287 | 300 | 311 | 316 | 310 | 300 | 298 | 291 | 289 | 287 | 283 | 271 | 287 |
| 3 | | 279 | 282 | 283 | 284 | 285 | 285 | 284 | 283 | 280 | 276 | 276 | 291 | 302 | 323 | 329 | 331 | 339 | 337 | 310 | 293 | 286 | 236 | 237 | 236 | 289 |
| 4 | D | 200 | 245 | 275 | 280 | 274 | 276 | 281 | 285 | 285 | 282 | 284 | 289 | 292 | 296 | 304 | 313 | 314 | 313 | 312 | 288 | 287 | 282 | 270 | 251 | 282 |
| 5 | | 269 | 284 | 286 | 287 | 287 | 290 | 292 | 290 | 290 | 289 | 287 | 285 | 286 | 289 | 289 | 289 | 289 | 291 | 292 | 290 | 285 | 282 | 274 | 280 | 286 |
| 6 | | 281 | 281 | 282 | 283 | 285 | 285 | 286 | 285 | 284 | 282 | 285 | 290 | 292 | 293 | 292 | 291 | 290 | 290 | 290 | 290 | 289 | 286 | 285 | 285 | 287 |
| 7 | Q | 285 | 285 | 285 | 285 | 285 | 286 | 287 | 285 | 282 | 281 | 281 | 283 | 288 | 292 | 292 | 290 | 287 | 287 | 287 | 286 | 286 | 286 | 285 | 284 | 286 |
| 8 | | 283 | 282 | 282 | 283 | 282 | 282 | 281 | 278 | 277 | 272 | 272 | 275 | 277 | 283 | 291 | 303 | 299 | 291 | 287 | 285 | 285 | 285 | 278 | 279 | 283 |
| 9 | | 259 | 267 | 274 | 279 | 282 | 284 | 284 | 282 | 278 | 274 | 275 | 277 | 282 | 285 | 287 | 287 | 288 | 290 | 293 | 292 | 289 | 287 | 285 | 280 | 282 |
| 10 | | 279 | 281 | 272 | 264 | 275 | 280 | 284 | 284 | 281 | 278 | 282 | 283 | 285 | 290 | 288 | 287 | 287 | 287 | 289 | 290 | 290 | 284 | 265 | 268 | 281 |
| 11 | | 264 | 248 | 259 | 256 | 265 | 276 | 283 | 284 | 283 | 281 | 281 | 284 | 287 | 296 | 307 | 307 | 295 | 295 | 292 | 291 | 288 | 277 | 267 | 240 | 279 |
| 12 | | 248 | 264 | 272 | 270 | 272 | 280 | 287 | 284 | 284 | 286 | 282 | 281 | 286 | 288 | 291 | 290 | 290 | 290 | 289 | 288 | 286 | 281 | 261 | 228 | 278 |
| 13 | D | 223 | 210 | 206 | 239 | 258 | 255 | 274 | 281 | 289 | 288 | 287 | 298 | 332 | 388 | 418 | 378 | 352 | 330 | 313 | 262 | 271 | 264 | 242 | 199 | 286 |
| 14 | D | 246 | 237 | 239 | 264 | 274 | 278 | 285 | 290 | 290 | 295 | 303 | 310 | 341 | 322 | 330 | 325 | 304 | 293 | 295 | 254 | 250 | 262 | 263 | 272 | 284 |
| 15 | | 278 | 286 | 285 | 282 | 281 | 286 | 287 | 285 | 282 | 285 | 290 | 294 | 301 | 308 | 304 | 300 | 297 | 300 | 291 | 291 | 277 | 259 | 270 | 279 | 287 |
| 16 | | 282 | 279 | 276 | 281 | 283 | 287 | 291 | 291 | 287 | 287 | 289 | 290 | 292 | 293 | 291 | 290 | 289 | 289 | 289 | 289 | 288 | 288 | 287 | 287 | 287 |
| 17 | Q | 286 | 286 | 287 | 287 | 288 | 290 | 292 | 291 | 288 | 285 | 283 | 283 | 288 | 292 | 291 | 289 | 288 | 288 | 288 | 288 | 287 | 287 | 286 | 286 | 288 |
| 18 | | 286 | 286 | 285 | 286 | 286 | 287 | 288 | 287 | 287 | 286 | 285 | 287 | 290 | 292 | 292 | 290 | 294 | 292 | 295 | 298 | 291 | 278 | 278 | 283 | 288 |
| 19 | | 285 | 286 | 286 | 286 | 286 | 287 | 289 | 288 | 284 | 283 | 286 | 289 | 294 | 292 | 293 | 292 | 294 | 292 | 289 | 287 | 286 | 286 | 278 | 277 | 287 |
| 20 | | 281 | 283 | 283 | 281 | 282 | 286 | 289 | 292 | 290 | 288 | 287 | 288 | 291 | 301 | 329 | 368 | 343 | 312 | 300 | 294 | 295 | 293 | 291 | 274 | 297 |
| 21 | | 247 | 265 | 278 | 282 | 272 | 268 | 278 | 285 | 287 | 287 | 288 | 291 | 294 | 293 | 291 | 290 | 290 | 290 | 290 | 289 | 287 | 285 | 284 | 282 | 283 |
| 22 | | 274 | 278 | 284 | 286 | 287 | 288 | 291 | 289 | 287 | 288 | 291 | 292 | 294 | 294 | 293 | 292 | 293 | 293 | 287 | 287 | 285 | 283 | 285 | 286 | 288 |
| 23 | Q | 286 | 285 | 286 | 286 | 286 | 288 | 290 | 288 | 286 | 287 | 287 | 288 | 288 | 289 | 287 | 286 | 286 | 286 | 287 | 286 | 286 | 286 | 285 | 282 | 286 |
| 24 | | 273 | 280 | 283 | 284 | 285 | 287 | 288 | 288 | 285 | 283 | 283 | 285 | 289 | 289 | 287 | 289 | 291 | 299 | 328 | 303 | 292 | 289 | 290 | 292 | 289 |
| 25 | | 285 | 276 | 278 | 275 | 278 | 282 | 281 | 281 | 285 | 289 | 291 | 289 | 294 | 297 | 293 | 292 | 293 | 301 | 293 | 291 | 290 | 287 | 276 | 280 | 287 |
| 26 | Q | 285 | 285 | 286 | 287 | 288 | 289 | 290 | 289 | 288 | 286 | 287 | 290 | 290 | 290 | 288 | 287 | 287 | 287 | 287 | 287 | 287 | 286 | 286 | 286 | 287 |
| 27 | | 286 | 285 | 285 | 286 | 286 | 287 | 289 | 288 | 285 | 283 | 285 | 287 | 286 | 284 | 283 | 285 | 289 | 291 | 288 | 288 | 288 | 286 | 280 | 282 | 286 |
| 28 | Q | 284 | 284 | 285 | 285 | 286 | 286 | 286 | 284 | 283 | 281 | 282 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 286 | 282 | 281 | 284 |
| 29 | | 282 | 283 | 284 | 284 | 284 | 285 | 287 | 287 | 285 | 281 | 279 | 284 | 292 | 294 | 295 | 302 | 310 | 321 | 325 | 319 | 299 | 293 | 291 | 285 | 293 |
| 30 | D | 270 | 235 | 221 | 238 | 257 | 270 | 278 | 282 | 282 | 282 | 286 | 294 | 295 | 295 | 303 | 298 | 315 | 297 | 296 | 291 | 292 | 256 | 245 | 269 | 277 |
| 31 | D | 280 | 282 | 274 | 284 | 286 | 286 | 285 | 284 | 284 | 284 | 288 | 292 | 303 | 314 | 321 | 322 | 306 | 303 | 297 | 294 | 253 | 236 | 251 | 259 | 286 |
| All | | 272 | 273 | 275 | 278 | 280 | 282 | 285 | 286 | 284 | 283 | 284 | 288 | 293 | 298 | 301 | 301 | 299 | 297 | 295 | 289 | 285 | 279 | 275 | 272 | 286 |
| Quiet | | 285 | 285 | 285 | 286 | 287 | 288 | 289 | 288 | 285 | 284 | 284 | 285 | 288 | 290 | 288 | 287 | 286 | 287 | 287 | 286 | 286 | 285 | 285 | 284 | 286 |
| Dist. | | 244 | 242 | 243 | 261 | 270 | 273 | 281 | 284 | 286 | 286 | 290 | 297 | 312 | 323 | 335 | 327 | 318 | 307 | 302 | 278 | 271 | 260 | 254 | 250 | 283 |

Nurmijärvi Finland

November 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | -20 | -14 | -9 | -8 | -6 | -6 | -12 | -18 | -24 | -27 | -25 | -24 | -15 | -15 | -20 | -8 | -8 | -7 | -6 | -5 | -6 | -6 | -3 | -7 | -12 |
| 2 | Q | -5 | -1 | -8 | -6 | -5 | -7 | -10 | -19 | -23 | -27 | -26 | -19 | -12 | -11 | -12 | -16 | -29 | -24 | -11 | -9 | -6 | -3 | -5 | -3 | -12 |
| 3 | | -5 | -7 | -5 | -4 | -3 | -2 | -3 | -12 | -18 | -20 | -24 | -26 | -12 | -2 | 0 | 1 | 3 | -9 | -3 | -16 | -59 | -82 | -19 | -3 | -14 |
| 4 | | -9 | -10 | -10 | -7 | -5 | -3 | -3 | -16 | -24 | -30 | -27 | -22 | -15 | -9 | -8 | -7 | -12 | -21 | -14 | 1 | -1 | -2 | -2 | -4 | -11 |
| 5 | Q | -1 | -10 | -9 | -8 | -5 | -7 | -12 | -19 | -27 | -31 | -30 | -25 | -17 | -11 | -8 | -6 | -5 | -4 | -4 | -4 | -3 | -5 | -6 | -6 | -11 |
| 6 | Q | -6 | -5 | -5 | -5 | -3 | -2 | -5 | -12 | -21 | -24 | -25 | -18 | -11 | -6 | -4 | -3 | -2 | -1 | -1 | -4 | -6 | -7 | -6 | -6 | -8 |
| 7 | D | -7 | -6 | -3 | 7 | 5 | 7 | 7 | 2 | -5 | -9 | -4 | 22 | 31 | 19 | 16 | 17 | 22 | -4 | 10 | 16 | -139 | -267 | -451 | -1097 | -76 |
| 8 | D | -1105 | -124 | -447 | -605 | -1115 | -799 | -434 | -66 | -81 | -20 | 88 | -20 | -50 | -75 | -78 | -73 | -67 | -58 | -57 | -106 | -172 | -216 | -116 | -165 | -248 |
| 9 | D | -165 | -128 | -75 | -96 | -73 | -69 | -63 | -48 | -64 | -73 | -59 | -9 | 51 | 149 | 251 | 212 | 120 | 33 | -48 | -517 | -1234 | -294 | -236 | -155 | -108 |
| 10 | D | -176 | -198 | -69 | -116 | -300 | -326 | -267 | -376 | -288 | 31 | 211 | 195 | 75 | 114 | 7 | -70 | -100 | -45 | -100 | -92 | -140 | -112 | -68 | -75 | -95 |
| 11 | | -79 | -90 | -61 | -50 | -53 | -89 | -65 | -74 | -61 | -51 | -50 | -50 | -44 | -40 | -42 | -40 | -42 | -21 | -29 | -37 | -33 | -17 | -30 | -32 | -49 |
| 12 | D | -74 | -75 | -80 | -24 | -22 | -31 | -20 | -17 | -33 | -65 | -61 | -51 | -40 | -40 | -28 | -37 | -36 | -29 | -14 | -46 | -64 | -73 | -48 | -44 | -44 |
| 13 | | -44 | -51 | -47 | -34 | -29 | -28 | -33 | -41 | -43 | -45 | -49 | -42 | -31 | -29 | -26 | -30 | -35 | -34 | -31 | -27 | -28 | -21 | -29 | -31 | -35 |
| 14 | | -38 | -31 | -50 | -35 | -28 | -25 | -25 | -31 | -43 | -46 | -44 | -42 | -40 | -39 | -36 | -28 | -25 | -25 | -24 | -28 | -28 | -27 | -28 | -29 | -33 |
| 15 | Q | -30 | -29 | -27 | -24 | -24 | -24 | -25 | -30 | -39 | -42 | -40 | -36 | -31 | -25 | -23 | -23 | -22 | -21 | -21 | -22 | -22 | -22 | -23 | -24 | -27 |
| 16 | | -23 | -22 | -19 | -15 | -12 | -10 | -10 | -24 | -36 | -45 | -40 | -36 | -29 | -26 | -26 | -30 | -22 | -22 | -26 | -29 | -21 | -29 | -18 | -24 | -25 |
| 17 | | -27 | -28 | -27 | -23 | -22 | -22 | -22 | -43 | -44 | -40 | -40 | -36 | -29 | -29 | -27 | -25 | -23 | -21 | -22 | -21 | -23 | -22 | -23 | -23 | -28 |
| 18 | Q | -23 | -23 | -21 | -20 | -19 | -20 | -21 | -25 | -29 | -33 | -30 | -24 | -19 | -19 | -20 | -20 | -19 | -16 | -16 | -17 | -17 | -18 | -19 | -20 | -21 |
| 19 | | -18 | -17 | -16 | -17 | -19 | -20 | -18 | -18 | -19 | -17 | -17 | -16 | -14 | -11 | -9 | -7 | -5 | -5 | -4 | -10 | -11 | -12 | -17 | -13 | -14 |
| 20 | | -14 | -22 | -22 | -22 | -20 | -6 | -16 | -17 | -24 | -26 | -41 | -45 | -40 | -19 | -33 | -27 | -14 | -17 | -26 | -17 | -28 | -28 | -24 | -11 | -23 |
| 21 | | -21 | -25 | -28 | -23 | -18 | -20 | -22 | -24 | -29 | -47 | -51 | -38 | -33 | -35 | -41 | -13 | -32 | -20 | -13 | -21 | -11 | -17 | -25 | -25 | -26 |
| 22 | | -18 | -22 | -23 | -22 | -19 | -23 | -27 | -22 | -29 | -40 | -30 | -23 | -22 | -21 | -20 | -22 | -20 | -21 | -22 | -18 | -23 | -21 | -21 | -24 | -23 |
| 23 | | -10 | -20 | -21 | -20 | -20 | -19 | -20 | -23 | -26 | -28 | -26 | -21 | -17 | -12 | -12 | -15 | -15 | -14 | -17 | -16 | -12 | -16 | -22 | -6 | -18 |
| 24 | | -9 | -20 | -14 | -14 | -9 | -7 | -11 | -14 | -16 | -19 | -28 | -32 | -23 | -26 | -30 | -25 | -23 | -26 | -25 | -22 | -23 | -20 | -18 | -25 | -20 |
| 25 | | -27 | -36 | -50 | -40 | -21 | -18 | -23 | -28 | -32 | -28 | -36 | -39 | -36 | -39 | -39 | -40 | -32 | -26 | -17 | -28 | -32 | -27 | -36 | -19 | -31 |
| 26 | | -28 | -24 | -24 | -24 | -20 | -14 | -25 | -24 | -33 | -47 | -41 | -34 | -23 | -26 | -26 | -31 | -23 | -35 | -34 | -32 | -33 | -27 | -33 | -28 | -29 |
| 27 | | -24 | -25 | -24 | -20 | -16 | -13 | -20 | -24 | -28 | -31 | -26 | -27 | -28 | -31 | -37 | -37 | -38 | -36 | -51 | -48 | -45 | -50 | -42 | -54 | -32 |
| 28 | | -35 | -19 | -17 | -15 | -6 | -17 | -25 | -28 | -24 | -27 | -33 | -32 | -38 | -35 | -32 | -39 | -39 | -28 | -19 | -17 | -22 | -25 | -26 | -23 | -26 |
| 29 | | -18 | -27 | -20 | -9 | -8 | -3 | -8 | -13 | -17 | -18 | -20 | -17 | -26 | -22 | -20 | -14 | -20 | -26 | -19 | -19 | -17 | -18 | -8 | -14 | -17 |
| 30 | | -25 | -28 | -29 | -23 | -25 | -8 | -9 | -7 | -15 | -21 | -27 | -26 | -25 | -17 | -17 | -21 | -21 | -16 | -22 | 5 | -29 | -24 | -37 | -23 | -20 |
| All | | -69 | -38 | -42 | -44 | -64 | -54 | -42 | -37 | -40 | -31 | -22 | -20 | -19 | -13 | -13 | -16 | -19 | -20 | -23 | -40 | -76 | -50 | -48 | -67 | -38 |
| Quiet | | -13 | -14 | -14 | -13 | -11 | -12 | -15 | -21 | -28 | -31 | -30 | -24 | -18 | -14 | -13 | -14 | -15 | -13 | -11 | -11 | -11 | -11 | -12 | -12 | -16 |
| Dist. | | -305 | -106 | -135 | -167 | -301 | -244 | -155 | -101 | -94 | -27 | 35 | 27 | 13 | 33 | 34 | 10 | -12 | -21 | -42 | -149 | -350 | -192 | -184 | -307 | -114 |

November 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 268 | 265 | 273 | 275 | 275 | 276 | 279 | 283 | 281 | 275 | 265 | 262 | 259 | 269 | 279 | 268 | 269 | 270 | 270 | 270 | 271 | 272 | 275 | 266 | 271 |
| 2 | Q | 269 | 272 | 277 | 275 | 275 | 277 | 281 | 286 | 278 | 273 | 261 | 253 | 248 | 253 | 256 | 251 | 255 | 270 | 277 | 281 | 280 | 277 | 277 | 279 | 270 |
| 3 | | 281 | 279 | 276 | 276 | 275 | 276 | 279 | 283 | 279 | 265 | 255 | 244 | 251 | 254 | 257 | 261 | 262 | 262 | 288 | 287 | 287 | 343 | 308 | 278 | 275 |
| 4 | | 274 | 275 | 277 | 277 | 269 | 274 | 280 | 281 | 279 | 273 | 262 | 256 | 255 | 257 | 260 | 259 | 261 | 264 | 268 | 291 | 284 | 274 | 277 | 288 | 271 |
| 5 | Q | 275 | 281 | 280 | 278 | 275 | 277 | 279 | 285 | 282 | 274 | 266 | 259 | 259 | 263 | 266 | 268 | 269 | 269 | 271 | 271 | 273 | 275 | 274 | 272 | 272 |
| 6 | Q | 272 | 271 | 271 | 272 | 272 | 273 | 275 | 279 | 276 | 269 | 263 | 260 | 258 | 261 | 264 | 267 | 268 | 269 | 269 | 272 | 275 | 274 | 273 | 273 | 270 |
| 7 | D | 274 | 274 | 274 | 280 | 279 | 272 | 275 | 278 | 277 | 270 | 260 | 243 | 238 | 243 | 244 | 253 | 233 | 290 | 271 | 251 | 264 | 345 | 362 | 404 | 277 |
| 8 | D | 462 | 469 | 409 | 334 | 286 | 355 | 308 | 397 | 381 | 358 | 350 | 310 | 312 | 304 | 304 | 298 | 300 | 297 | 307 | 347 | 356 | 310 | 329 | 383 | 344 |
| 9 | D | 322 | 247 | 237 | 254 | 206 | 277 | 284 | 307 | 292 | 295 | 301 | 302 | 299 | 256 | 363 | 290 | 256 | 323 | 292 | 344 | 356 | 326 | 305 | 334 | 295 |
| 10 | D | 281 | 308 | 339 | 342 | 299 | 187 | 231 | 332 | 331 | 400 | 397 | 309 | 290 | 354 | 324 | 348 | 339 | 347 | 347 | 330 | 303 | 283 | 294 | 284 | 317 |
| 11 | | 272 | 258 | 279 | 275 | 274 | 251 | 253 | 264 | 268 | 277 | 280 | 275 | 289 | 282 | 283 | 293 | 283 | 291 | 284 | 288 | 285 | 278 | 281 | 290 | 277 |
| 12 | D | 293 | 294 | 280 | 290 | 276 | 286 | 289 | 284 | 278 | 283 | 283 | 279 | 275 | 277 | 273 | 266 | 265 | 281 | 305 | 315 | 343 | 360 | 311 | 296 | 291 |
| 13 | | 289 | 284 | 284 | 286 | 289 | 284 | 284 | 285 | 281 | 276 | 271 | 271 | 271 | 267 | 272 | 273 | 289 | 279 | 283 | 285 | 288 | 303 | 292 | 286 | 282 |
| 14 | | 283 | 285 | 276 | 278 | 278 | 287 | 288 | 290 | 292 | 284 | 276 | 267 | 261 | 269 | 275 | 277 | 277 | 279 | 280 | 282 | 288 | 284 | 285 | 281 | 280 |
| 15 | Q | 279 | 279 | 277 | 278 | 279 | 281 | 283 | 288 | 287 | 279 | 274 | 270 | 268 | 268 | 273 | 275 | 276 | 277 | 278 | 280 | 280 | 280 | 279 | 278 | 278 |
| 16 | | 278 | 276 | 274 | 274 | 276 | 278 | 279 | 281 | 280 | 276 | 263 | 267 | 262 | 261 | 257 | 265 | 272 | 277 | 293 | 292 | 287 | 297 | 293 | 288 | 277 |
| 17 | | 283 | 279 | 280 | 278 | 278 | 281 | 283 | 288 | 284 | 277 | 264 | 263 | 265 | 268 | 271 | 275 | 277 | 278 | 280 | 281 | 282 | 283 | 282 | 278 | 277 |
| 18 | Q | 284 | 282 | 281 | 281 | 278 | 277 | 279 | 280 | 279 | 275 | 270 | 268 | 269 | 270 | 272 | 273 | 276 | 276 | 277 | 277 | 278 | 278 | 278 | 278 | 276 |
| 19 | | 276 | 275 | 275 | 277 | 278 | 277 | 277 | 277 | 274 | 269 | 266 | 266 | 265 | 266 | 267 | 266 | 267 | 266 | 267 | 272 | 278 | 279 | 285 | 291 | 273 |
| 20 | | 305 | 292 | 285 | 287 | 282 | 277 | 269 | 274 | 274 | 266 | 261 | 256 | 246 | 234 | 234 | 268 | 272 | 265 | 269 | 342 | 309 | 296 | 295 | 295 | 277 |
| 21 | | 285 | 283 | 276 | 272 | 275 | 277 | 280 | 283 | 279 | 272 | 287 | 263 | 267 | 287 | 257 | 310 | 275 | 283 | 290 | 282 | 288 | 300 | 283 | 270 | 280 |
| 22 | | 284 | 282 | 281 | 283 | 281 | 281 | 277 | 278 | 274 | 272 | 271 | 266 | 266 | 270 | 273 | 273 | 275 | 276 | 280 | 281 | 284 | 283 | 288 | 297 | 278 |
| 23 | | 291 | 297 | 287 | 285 | 280 | 281 | 283 | 284 | 285 | 281 | 274 | 266 | 261 | 264 | 266 | 272 | 273 | 271 | 285 | 284 | 282 | 286 | 283 | 283 | 279 |
| 24 | | 299 | 285 | 284 | 276 | 275 | 276 | 278 | 280 | 277 | 273 | 269 | 264 | 255 | 254 | 265 | 265 | 271 | 274 | 277 | 284 | 287 | 295 | 290 | 297 | 277 |
| 25 | | 296 | 300 | 289 | 272 | 274 | 273 | 268 | 270 | 276 | 273 | 270 | 269 | 268 | 268 | 306 | 270 | 274 | 282 | 273 | 288 | 298 | 290 | 267 | 294 | 280 |
| 26 | | 284 | 277 | 281 | 277 | 272 | 259 | 251 | 259 | 270 | 272 | 264 | 267 | 267 | 268 | 273 | 286 | 278 | 286 | 299 | 285 | 295 | 317 | 300 | 293 | 278 |
| 27 | | 280 | 280 | 276 | 278 | 279 | 277 | 268 | 271 | 276 | 284 | 275 | 268 | 265 | 265 | 268 | 263 | 282 | 319 | 300 | 308 | 310 | 327 | 315 | 298 | 285 |
| 28 | | 273 | 291 | 282 | 279 | 278 | 266 | 267 | 275 | 271 | 264 | 255 | 247 | 245 | 243 | 249 | 258 | 265 | 288 | 283 | 294 | 300 | 318 | 312 | 298 | 275 |
| 29 | | 285 | 288 | 287 | 287 | 288 | 280 | 277 | 275 | 276 | 277 | 271 | 256 | 260 | 264 | 267 | 264 | 274 | 279 | 327 | 278 | 283 | 295 | 306 | 280 | 280 |
| 30 | | 292 | 304 | 275 | 279 | 268 | 267 | 276 | 288 | 280 | 276 | 273 | 262 | 263 | 264 | 260 | 270 | 269 | 272 | 298 | 339 | 304 | 292 | 279 | 282 | 280 |
| All | | 289 | 288 | 284 | 282 | 276 | 275 | 276 | 286 | 284 | 282 | 277 | 267 | 265 | 267 | 273 | 274 | 273 | 282 | 286 | 293 | 293 | 297 | 292 | 294 | 281 |
| Quiet | | 276 | 277 | 277 | 277 | 276 | 277 | 279 | 283 | 280 | 274 | 267 | 262 | 260 | 263 | 266 | 267 | 269 | 272 | 275 | 276 | 277 | 277 | 276 | 276 | 273 |
| Dist. | | 326 | 318 | 308 | 300 | 269 | 275 | 277 | 320 | 312 | 321 | 318 | 289 | 283 | 287 | 301 | 291 | 279 | 308 | 305 | 317 | 325 | 325 | 320 | 340 | 305 |

November 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 273 | 278 | 285 | 287 | 287 | 287 | 287 | 285 | 283 | 284 | 285 | 288 | 291 | 294 | 298 | 293 | 292 | 291 | 290 | 289 | 289 | 288 | 287 | 283 | 287 |
| 2 | Q | 276 | 273 | 278 | 283 | 285 | 286 | 288 | 289 | 288 | 286 | 289 | 292 | 293 | 294 | 300 | 315 | 315 | 306 | 299 | 295 | 291 | 289 | 287 | 287 | 291 |
| 3 | | 286 | 287 | 287 | 287 | 287 | 287 | 287 | 286 | 284 | 283 | 285 | 290 | 289 | 289 | 288 | 288 | 288 | 297 | 302 | 298 | 232 | 179 | 183 | 258 | 276 |
| 4 | | 285 | 291 | 289 | 285 | 282 | 279 | 282 | 284 | 288 | 289 | 286 | 284 | 286 | 290 | 292 | 291 | 297 | 307 | 309 | 298 | 278 | 287 | 287 | 274 | 288 |
| 5 | Q | 257 | 278 | 285 | 287 | 288 | 288 | 291 | 292 | 289 | 285 | 285 | 287 | 288 | 289 | 290 | 289 | 289 | 288 | 288 | 289 | 288 | 288 | 288 | 288 | 286 |
| 6 | Q | 288 | 287 | 287 | 287 | 287 | 288 | 289 | 288 | 286 | 287 | 286 | 286 | 287 | 288 | 288 | 288 | 287 | 287 | 287 | 289 | 289 | 289 | 288 | 287 | 287 |
| 7 | D | 286 | 286 | 285 | 282 | 279 | 281 | 284 | 287 | 284 | 281 | 279 | 275 | 274 | 275 | 276 | 288 | 354 | 414 | 327 | 301 | 207 | 364 | 174 | -54 | 275 |
| 8 | D | 249 | 106 | -172 | -135 | -197 | 295 | 326 | 431 | 457 | 449 | 455 | 399 | 391 | 356 | 338 | 329 | 323 | 322 | 310 | 207 | 141 | 70 | 114 | 83 | 235 |
| 9 | D | 56 | 78 | 129 | 198 | 208 | 284 | 311 | 340 | 335 | 335 | 358 | 414 | 473 | 536 | 606 | 536 | 509 | 311 | 271 | 150 | 203 | 216 | 329 | 336 | 313 |
| 10 | D | 232 | 269 | 292 | 321 | 169 | 101 | 198 | 269 | 408 | 490 | 441 | 369 | 473 | 494 | 481 | 460 | 389 | 301 | 310 | 324 | 221 | 224 | 286 | 283 | 325 |
| 11 | | 279 | 263 | 283 | 302 | 307 | 304 | 313 | 318 | 316 | 317 | 322 | 329 | 335 | 330 | 328 | 334 | 326 | 322 | 319 | 318 | 320 | 316 | 304 | 269 | 311 |
| 12 | D | 235 | 255 | 235 | 272 | 299 | 304 | 314 | 308 | 305 | 311 | 325 | 320 | 325 | 327 | 328 | 337 | 364 | 344 | 309 | 333 | 303 | 287 | 307 | 310 | 307 |
| 13 | | 307 | 309 | 309 | 313 | 316 | 315 | 316 | 319 | 317 | 315 | 318 | 324 | 324 | 321 | 320 | 319 | 324 | 322 | 320 | 318 | 317 | 311 | 310 | 309 | 316 |
| 14 | | 296 | 267 | 283 | 297 | 309 | 313 | 315 | 316 | 317 | 315 | 311 | 313 | 317 | 321 | 321 | 318 | 316 | 314 | 313 | 316 | 315 | 313 | 312 | 311 | 310 |
| 15 | Q | 311 | 311 | 311 | 311 | 311 | 311 | 313 | 315 | 314 | 313 | 312 | 310 | 311 | 312 | 312 | 311 | 311 | 311 | 311 | 311 | 310 | 309 | 309 | 309 | 311 |
| 16 | | 308 | 308 | 307 | 307 | 306 | 307 | 306 | 308 | 308 | 309 | 311 | 309 | 311 | 313 | 317 | 320 | 316 | 318 | 322 | 321 | 317 | 316 | 306 | 307 | 312 |
| 17 | | 308 | 309 | 309 | 309 | 308 | 308 | 307 | 309 | 313 | 311 | 309 | 309 | 310 | 313 | 314 | 313 | 312 | 311 | 312 | 311 | 310 | 309 | 308 | 303 | 310 |
| 18 | Q | 302 | 305 | 306 | 306 | 306 | 307 | 307 | 308 | 306 | 304 | 305 | 306 | 307 | 308 | 308 | 307 | 308 | 307 | 307 | 306 | 306 | 306 | 305 | 305 | 306 |
| 19 | | 304 | 304 | 304 | 303 | 304 | 304 | 304 | 304 | 302 | 302 | 302 | 303 | 304 | 305 | 304 | 303 | 303 | 303 | 305 | 305 | 304 | 305 | 308 | 301 | 304 |
| 20 | | 299 | 299 | 300 | 300 | 296 | 292 | 293 | 294 | 296 | 301 | 305 | 324 | 324 | 327 | 331 | 322 | 315 | 309 | 332 | 352 | 315 | 311 | 302 | 295 | 310 |
| 21 | | 303 | 305 | 306 | 305 | 302 | 304 | 304 | 304 | 301 | 304 | 314 | 313 | 326 | 332 | 341 | 355 | 319 | 316 | 301 | 300 | 283 | 286 | 297 | 293 | 309 |
| 22 | | 290 | 291 | 297 | 301 | 304 | 304 | 307 | 308 | 304 | 304 | 307 | 307 | 308 | 309 | 309 | 308 | 308 | 308 | 309 | 308 | 308 | 307 | 305 | 303 | 305 |
| 23 | | 292 | 289 | 294 | 298 | 301 | 304 | 304 | 305 | 303 | 302 | 300 | 300 | 303 | 306 | 305 | 307 | 307 | 307 | 308 | 307 | 303 | 301 | 301 | 283 | 301 |
| 24 | | 274 | 277 | 289 | 292 | 296 | 298 | 299 | 299 | 296 | 296 | 300 | 305 | 308 | 311 | 313 | 311 | 311 | 311 | 312 | 310 | 302 | 276 | 268 | 284 | 297 |
| 25 | | 272 | 250 | 236 | 238 | 259 | 289 | 298 | 301 | 301 | 303 | 308 | 311 | 316 | 328 | 343 | 329 | 327 | 319 | 302 | 303 | 304 | 292 | 269 | 269 | 294 |
| 26 | | 274 | 284 | 286 | 295 | 296 | 292 | 295 | 298 | 302 | 305 | 307 | 309 | 310 | 311 | 312 | 315 | 312 | 318 | 321 | 313 | 303 | 282 | 285 | 292 | 301 |
| 27 | | 298 | 299 | 302 | 304 | 304 | 303 | 300 | 302 | 303 | 307 | 306 | 305 | 308 | 314 | 320 | 334 | 360 | 340 | 332 | 328 | 317 | 290 | 247 | 244 | 307 |
| 28 | | 239 | 244 | 282 | 289 | 293 | 293 | 302 | 307 | 312 | 308 | 308 | 314 | 321 | 332 | 344 | 358 | 368 | 347 | 329 | 326 | 303 | 302 | 307 | 312 | 310 |
| 29 | | 320 | 311 | 301 | 300 | 302 | 299 | 296 | 298 | 299 | 298 | 298 | 302 | 303 | 306 | 309 | 311 | 325 | 332 | 323 | 317 | 315 | 305 | 269 | 227 | 303 |
| 30 | | 254 | 272 | 287 | 291 | 298 | 295 | 294 | 302 | 301 | 300 | 300 | 303 | 306 | 307 | 308 | 314 | 315 | 317 | 324 | 303 | 299 | 303 | 292 | 287 | 299 |
| All | | 275 | 273 | 269 | 277 | 273 | 291 | 298 | 306 | 311 | 313 | 314 | 313 | 321 | 324 | 328 | 326 | 326 | 317 | 310 | 302 | 287 | 284 | 281 | 271 | 300 |
| Quiet | | 287 | 291 | 293 | 295 | 295 | 296 | 297 | 298 | 297 | 295 | 295 | 295 | 297 | 298 | 298 | 299 | 302 | 302 | 300 | 298 | 298 | 296 | 296 | 295 | 296 |
| Dist. | | 212 | 199 | 154 | 188 | 152 | 253 | 287 | 327 | 358 | 373 | 372 | 356 | 387 | 397 | 406 | 390 | 388 | 338 | 305 | 263 | 215 | 232 | 242 | 192 | 291 |

Nurmijärvi Finland

December 2004 North component X in nT (X = 14900 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | -16 | -18 | -21 | -23 | -16 | -13 | -13 | -26 | -49 | -33 | -36 | -33 | -28 | -21 | -21 | -19 | -18 | -16 | -20 | -16 | -17 | -6 | -19 | -15 | -21 |
| 2 | Q | -23 | -21 | -19 | -18 | -15 | -14 | -15 | -16 | -21 | -27 | -30 | -28 | -22 | -18 | -17 | -19 | -14 | -12 | -14 | -15 | -14 | -14 | -13 | -15 | -18 |
| 3 | Q | -15 | -17 | -16 | -13 | -7 | -7 | -10 | -14 | -18 | -21 | -19 | -15 | -13 | -12 | -12 | -12 | -13 | -11 | -10 | -9 | -9 | -12 | -14 | -15 | -13 |
| 4 | Q | -14 | -14 | -13 | -12 | -11 | -11 | -11 | -15 | -18 | -20 | -18 | -16 | -13 | -12 | -10 | -8 | -8 | -8 | -9 | -10 | -9 | -11 | -12 | -13 | -12 |
| 5 | | -13 | -13 | -13 | -12 | -10 | -3 | 0 | 3 | 27 | 16 | 12 | 10 | 15 | 14 | 14 | 11 | 7 | 9 | 8 | 0 | -1 | -5 | -5 | -5 | 3 |
| 6 | D | -1 | -11 | -9 | -7 | -5 | -15 | -5 | -17 | -34 | -35 | -34 | -35 | -29 | -35 | -25 | -38 | -54 | -64 | -72 | -58 | -42 | -38 | -53 | -24 | -31 |
| 7 | | -28 | -39 | -38 | -28 | -25 | -36 | -27 | -31 | -32 | -33 | -37 | -37 | -30 | -38 | -29 | -32 | -37 | -31 | -17 | -36 | -26 | -26 | -3 | -28 | -30 |
| 8 | | -24 | -20 | -22 | -19 | -11 | -8 | -20 | -20 | -20 | -25 | -26 | -21 | -22 | -23 | -31 | -27 | -33 | -28 | -25 | -19 | -24 | -11 | -34 | -30 | -23 |
| 9 | | -30 | -23 | -15 | -13 | -13 | -13 | -14 | -16 | -23 | -25 | -31 | -36 | -23 | -26 | -22 | -21 | -27 | -33 | -30 | -30 | -25 | -20 | -19 | -24 | -23 |
| 10 | | -23 | -16 | -14 | -12 | -14 | -10 | -9 | -7 | -13 | -22 | -32 | -24 | -25 | -32 | -44 | -49 | -41 | -41 | -41 | -42 | -40 | -34 | -29 | -25 | -27 |
| 11 | | -24 | -19 | -16 | -16 | -12 | -10 | -12 | -21 | -16 | -20 | -25 | -25 | -22 | -33 | -39 | -26 | -10 | -25 | -30 | -37 | -73 | -80 | -30 | -25 | -27 |
| 12 | D | -36 | -32 | -66 | -24 | -1 | -11 | -33 | -16 | -15 | -21 | -46 | -36 | -26 | -34 | -37 | -55 | -56 | -22 | -14 | -16 | -18 | -18 | -15 | -22 | -28 |
| 13 | | -40 | -14 | -11 | -15 | -16 | -30 | -28 | -37 | -31 | -28 | -25 | -25 | -22 | -22 | -24 | -24 | -17 | -16 | -14 | -15 | -15 | -15 | -15 | -16 | -22 |
| 14 | | -15 | -16 | -16 | -14 | -16 | -15 | -13 | -15 | -13 | -16 | -22 | -29 | -21 | -25 | -17 | -18 | -17 | -13 | -9 | -16 | -36 | -31 | -24 | -24 | -19 |
| 15 | | -23 | -17 | -20 | -20 | -20 | -14 | -11 | -16 | -17 | -20 | -21 | -19 | -15 | -13 | -15 | -15 | -21 | -16 | -17 | -16 | -27 | -29 | -31 | -22 | -19 |
| 16 | | -15 | -18 | -16 | -21 | -17 | -13 | -10 | -18 | -14 | -13 | -13 | -11 | -11 | -21 | -13 | -7 | -13 | -13 | -8 | -17 | -27 | -41 | -31 | -21 | -17 |
| 17 | D | -17 | -24 | -25 | -19 | -17 | -9 | -9 | -15 | -22 | -16 | -19 | -19 | -14 | -14 | -14 | -21 | 1 | -32 | -25 | -24 | -15 | 4 | -11 | -27 | -17 |
| 18 | | -8 | -14 | -32 | -15 | -12 | -12 | -12 | -16 | -17 | -19 | -19 | -20 | -13 | -25 | -33 | -16 | -15 | -13 | -14 | -10 | -10 | -16 | -15 | -13 | -16 |
| 19 | Q | -18 | -18 | -17 | -14 | -10 | -10 | -13 | -15 | -13 | -14 | -12 | -13 | -11 | -9 | -9 | -10 | -11 | -12 | -14 | -12 | -14 | -13 | -14 | -13 | -13 |
| 20 | | -12 | -13 | -14 | -8 | -6 | -7 | -7 | -8 | -11 | -11 | -10 | -11 | -9 | -9 | -7 | -6 | -7 | -10 | -10 | -7 | -8 | -7 | -10 | -14 | -9 |
| 21 | | -14 | -13 | -7 | -11 | -9 | -5 | -2 | 13 | 5 | -1 | -29 | -29 | -17 | -11 | -10 | -23 | -31 | -21 | -3 | -3 | -18 | -18 | -23 | -16 | -12 |
| 22 | D | -19 | -17 | -14 | -5 | 0 | -13 | 12 | -2 | -8 | -47 | -26 | -18 | -14 | -19 | -23 | -14 | -22 | -21 | -16 | -21 | -21 | -20 | -24 | -23 | -16 |
| 23 | | -15 | -21 | -15 | -14 | -16 | -12 | -14 | -14 | -17 | -22 | -29 | -24 | -20 | -16 | -16 | -23 | -15 | -13 | -15 | -17 | -21 | -32 | -19 | -21 | -18 |
| 24 | Q | -19 | -17 | -16 | -15 | -13 | -12 | -12 | -13 | -20 | -23 | -23 | -17 | -13 | -10 | -10 | -20 | -24 | -18 | -16 | -19 | -12 | -12 | -12 | -15 | -16 |
| 25 | | -15 | -6 | -7 | -2 | 0 | -18 | 9 | -3 | -10 | -13 | -20 | -18 | -16 | -13 | -10 | -7 | -10 | -9 | -14 | -20 | -10 | -15 | -18 | -20 | -11 |
| 26 | | -17 | -19 | -21 | -11 | -3 | -5 | -6 | -7 | -9 | -15 | -21 | -25 | -15 | -7 | -5 | -6 | -14 | -16 | -17 | -14 | -14 | -18 | -16 | -15 | -13 |
| 27 | | -14 | -14 | -11 | -11 | -10 | -8 | -8 | -3 | -6 | -8 | -9 | -8 | -6 | -2 | 0 | -1 | -4 | -8 | -6 | -14 | -25 | -32 | -20 | -26 | -11 |
| 28 | | -21 | -12 | -17 | -9 | -14 | -12 | -15 | -21 | -29 | -29 | -30 | -32 | -27 | -21 | -18 | -32 | -32 | -49 | -44 | -58 | -38 | -62 | -52 | -76 | -31 |
| 29 | | -49 | -27 | -27 | -26 | -23 | -20 | -13 | -12 | -12 | -24 | -38 | -34 | -22 | -13 | -29 | -21 | -26 | -23 | -20 | -17 | -21 | -23 | -13 | -30 | -24 |
| 30 | D | -26 | -22 | -26 | -19 | -18 | -11 | 4 | 8 | -8 | -11 | -17 | -19 | -19 | -24 | -12 | -25 | -26 | -27 | -26 | -30 | -26 | -24 | -15 | -17 | -18 |
| 31 | | -13 | -18 | -17 | -12 | -15 | -10 | -12 | -20 | -21 | -18 | -15 | -16 | -21 | -12 | -9 | -11 | -12 | -16 | -15 | -15 | -14 | -17 | -11 | -18 | -15 |
| All | | -20 | -18 | -19 | -15 | -12 | -12 | -10 | -13 | -16 | -20 | -23 | -22 | -18 | -18 | -18 | -19 | -20 | -20 | -19 | -20 | -22 | -22 | -20 | -22 | -18 |
| Quiet | | -18 | -17 | -16 | -14 | -11 | -11 | -12 | -14 | -18 | -21 | -20 | -18 | -14 | -12 | -12 | -14 | -14 | -12 | -12 | -13 | -11 | -12 | -13 | -14 | -14 |
| Dist. | | -20 | -21 | -28 | -15 | -8 | -12 | -6 | -8 | -17 | -26 | -28 | -25 | -20 | -25 | -22 | -31 | -31 | -33 | -31 | -30 | -24 | -19 | -24 | -23 | -22 |

December 2004 East component Y in nT (Y = 1400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 285 | 278 | 283 | 275 | 264 | 276 | 282 | 282 | 287 | 284 | 275 | 269 | 266 | 267 | 270 | 271 | 273 | 281 | 279 | 282 | 284 | 294 | 284 | 287 | 278 |
| 2 | Q | 284 | 278 | 277 | 276 | 278 | 279 | 280 | 280 | 283 | 278 | 272 | 265 | 264 | 266 | 269 | 273 | 274 | 276 | 280 | 289 | 286 | 280 | 278 | 278 | 277 |
| 3 | Q | 277 | 276 | 275 | 275 | 276 | 276 | 276 | 276 | 273 | 271 | 271 | 269 | 268 | 270 | 271 | 273 | 276 | 278 | 277 | 275 | 283 | 285 | 284 | 276 | 275 |
| 4 | Q | 275 | 275 | 276 | 276 | 277 | 278 | 278 | 278 | 275 | 271 | 269 | 265 | 265 | 270 | 272 | 273 | 274 | 275 | 276 | 277 | 281 | 279 | 278 | 277 | 275 |
| 5 | | 277 | 276 | 276 | 275 | 274 | 274 | 273 | 272 | 262 | 258 | 255 | 253 | 255 | 257 | 259 | 259 | 265 | 265 | 266 | 271 | 271 | 271 | 280 | 275 | 267 |
| 6 | D | 273 | 276 | 274 | 276 | 281 | 270 | 259 | 272 | 286 | 255 | 264 | 267 | 251 | 255 | 301 | 262 | 284 | 307 | 360 | 331 | 300 | 299 | 285 | 276 | 282 |
| 7 | | 288 | 289 | 278 | 272 | 274 | 276 | 271 | 277 | 278 | 268 | 267 | 266 | 263 | 277 | 268 | 272 | 304 | 286 | 335 | 315 | 285 | 289 | 279 | 278 | 281 |
| 8 | | 276 | 280 | 270 | 267 | 273 | 272 | 276 | 274 | 270 | 266 | 271 | 268 | 268 | 270 | 290 | 278 | 281 | 283 | 295 | 277 | 282 | 313 | 300 | 287 | 279 |
| 9 | | 274 | 263 | 278 | 278 | 277 | 277 | 278 | 278 | 276 | 271 | 268 | 262 | 266 | 276 | 270 | 272 | 276 | 278 | 308 | 298 | 293 | 293 | 283 | 284 | 278 |
| 10 | | 268 | 264 | 275 | 277 | 273 | 275 | 277 | 275 | 274 | 268 | 267 | 261 | 253 | 251 | 263 | 274 | 288 | 306 | 298 | 312 | 315 | 303 | 290 | 280 | 279 |
| 11 | | 275 | 277 | 274 | 275 | 276 | 274 | 274 | 279 | 273 | 268 | 267 | 270 | 270 | 290 | 321 | 263 | 272 | 291 | 355 | 340 | 328 | 361 | 331 | 296 | 292 |
| 12 | D | 302 | 302 | 282 | 259 | 270 | 271 | 274 | 272 | 266 | 269 | 273 | 272 | 260 | 258 | 253 | 313 | 326 | 265 | 271 | 278 | 279 | 281 | 281 | 280 | 277 |
| 13 | | 300 | 315 | 288 | 245 | 270 | 287 | 293 | 294 | 276 | 274 | 273 | 274 | 274 | 277 | 277 | 279 | 276 | 278 | 278 | 279 | 280 | 280 | 279 | 278 | 280 |
| 14 | | 276 | 277 | 276 | 276 | 274 | 277 | 276 | 274 | 273 | 269 | 270 | 265 | 264 | 266 | 272 | 273 | 274 | 275 | 280 | 282 | 294 | 287 | 287 | 287 | 276 |
| 15 | | 289 | 290 | 288 | 282 | 278 | 279 | 280 | 281 | 279 | 274 | 271 | 271 | 270 | 271 | 270 | 267 | 262 | 285 | 273 | 278 | 293 | 304 | 292 | 288 | 280 |
| 16 | | 276 | 276 | 284 | 284 | 271 | 279 | 281 | 281 | 278 | 273 | 270 | 266 | 259 | 270 | 269 | 252 | 259 | 277 | 282 | 278 | 314 | 326 | 286 | 273 | 278 |
| 17 | D | 278 | 285 | 274 | 277 | 276 | 265 | 269 | 270 | 279 | 269 | 262 | 267 | 266 | 266 | 264 | 282 | 316 | 287 | 276 | 284 | 288 | 297 | 291 | 275 | 278 |
| 18 | | 256 | 295 | 276 | 280 | 286 | 278 | 276 | 275 | 273 | 271 | 271 | 269 | 271 | 268 | 292 | 270 | 276 | 278 | 282 | 286 | 286 | 284 | 288 | 289 | 278 |
| 19 | Q | 287 | 281 | 278 | 278 | 276 | 278 | 278 | 277 | 275 | 271 | 270 | 266 | 266 | 270 | 272 | 275 | 276 | 275 | 276 | 279 | 279 | 279 | 279 | 277 | 276 |
| 20 | | 276 | 275 | 266 | 271 | 274 | 277 | 278 | 278 | 278 | 275 | 267 | 266 | 268 | 271 | 276 | 274 | 273 | 273 | 275 | 278 | 276 | 279 | 285 | 281 | 275 |
| 21 | | 279 | 283 | 287 | 280 | 275 | 274 | 273 | 270 | 268 | 266 | 269 | 263 | 271 | 269 | 269 | 256 | 265 | 267 | 290 | 283 | 301 | 294 | 300 | 297 | 277 |
| 22 | D | 300 | 292 | 275 | 271 | 266 | 249 | 256 | 259 | 267 | 276 | 271 | 265 | 262 | 261 | 274 | 272 | 272 | 277 | 279 | 294 | 298 | 293 | 289 | 284 | 275 |
| 23 | | 273 | 276 | 273 | 273 | 274 | 275 | 279 | 283 | 278 | 275 | 273 | 270 | 270 | 273 | 275 | 300 | 277 | 277 | 278 | 279 | 290 | 312 | 313 | 293 | 281 |
| 24 | Q | 277 | 272 | 273 | 272 | 275 | 277 | 279 | 281 | 281 | 277 | 271 | 266 | 266 | 269 | 271 | 284 | 272 | 272 | 280 | 280 | 281 | 279 | 276 | 279 | 276 |
| 25 | | 280 | 289 | 275 | 272 | 268 | 250 | 255 | 274 | 278 | 278 | 272 | 264 | 267 | 270 | 269 | 269 | 267 | 266 | 261 | 280 | 284 | 291 | 298 | 283 | 273 |
| 26 | | 279 | 280 | 275 | 276 | 273 | 277 | 281 | 283 | 279 | 277 | 271 | 273 | 265 | 273 | 272 | 269 | 283 | 283 | 275 | 283 | 298 | 297 | 284 | 279 | 279 |
| 27 | | 267 | 271 | 276 | 274 | 274 | 278 | 276 | 277 | 274 | 271 | 268 | 265 | 266 | 268 | 273 | 272 | 270 | 272 | 272 | 274 | 298 | 307 | 306 | 295 | 277 |
| 28 | | 286 | 288 | 288 | 278 | 280 | 278 | 278 | 278 | 276 | 276 | 267 | 252 | 258 | 269 | 267 | 281 | 299 | 299 | 311 | 323 | 349 | 335 | 344 | 321 | 291 |
| 29 | | 318 | 332 | 320 | 292 | 277 | 284 | 275 | 278 | 269 | 273 | 274 | 264 | 264 | 255 | 256 | 257 | 255 | 269 | 272 | 277 | 283 | 291 | 341 | 327 | 283 |
| 30 | D | 311 | 298 | 294 | 288 | 266 | 279 | 277 | 271 | 272 | 275 | 272 | 276 | 267 | 283 | 263 | 269 | 306 | 290 | 275 | 297 | 301 | 288 | 282 | 268 | 282 |
| 31 | | 272 | 280 | 280 | 277 | 274 | 273 | 275 | 275 | 274 | 275 | 271 | 270 | 272 | 270 | 273 | 274 | 273 | 277 | 278 | 277 | 280 | 284 | 292 | 274 | 276 |
| All | | 282 | 283 | 279 | 275 | 274 | 274 | 275 | 277 | 275 | 272 | 269 | 266 | 265 | 268 | 273 | 273 | 279 | 280 | 287 | 288 | 292 | 295 | 292 | 285 | 278 |
| Quiet | | 280 | 277 | 276 | 275 | 276 | 278 | 278 | 278 | 277 | 274 | 270 | 266 | 266 | 269 | 271 | 276 | 274 | 275 | 278 | 280 | 282 | 280 | 279 | 277 | 276 |
| Dist. | | 293 | 290 | 280 | 274 | 272 | 267 | 267 | 269 | 274 | 269 | 268 | 269 | 261 | 265 | 271 | 280 | 301 | 285 | 292 | 297 | 293 | 292 | 285 | 277 | 279 |

December 2004 Vertical component Z in nT (Z = 49400 nT + tabular values)

| Day | Char | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 299 | 301 | 299 | 301 | 296 | 296 | 299 | 301 | 306 | 312 | 304 | 303 | 306 | 307 | 307 | 308 | 309 | 311 | 311 | 311 | 310 | 296 | 291 | 296 | 303 |
| 2 | Q | 297 | 301 | 304 | 304 | 304 | 303 | 302 | 302 | 303 | 302 | 301 | 303 | 306 | 308 | 307 | 308 | 306 | 305 | 306 | 305 | 302 | 301 | 301 | 301 | 303 |
| 3 | Q | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 300 | 298 | 298 | 300 | 301 | 302 | 303 | 302 | 302 | 303 | 303 | 302 | 301 | 300 | 301 | 300 | 300 | 301 |
| 4 | Q | 300 | 301 | 300 | 300 | 300 | 301 | 300 | 299 | 299 | 299 | 298 | 299 | 300 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 300 | 300 | 300 | 300 |
| 5 | | 299 | 299 | 299 | 299 | 300 | 299 | 297 | 294 | 283 | 284 | 285 | 287 | 288 | 288 | 289 | 290 | 292 | 293 | 294 | 296 | 296 | 296 | 295 | 294 | 293 |
| 6 | D | 282 | 289 | 292 | 294 | 294 | 294 | 292 | 293 | 297 | 300 | 308 | 313 | 322 | 345 | 359 | 373 | 358 | 354 | 348 | 305 | 302 | 296 | 266 | 227 | 308 |
| 7 | | 268 | 269 | 270 | 288 | 299 | 301 | 308 | 310 | 308 | 307 | 306 | 310 | 316 | 324 | 318 | 320 | 330 | 322 | 311 | 296 | 305 | 300 | 277 | 288 | 302 |
| 8 | | 299 | 301 | 295 | 293 | 296 | 295 | 299 | 302 | 303 | 305 | 307 | 310 | 310 | 314 | 322 | 319 | 326 | 322 | 316 | 309 | 308 | 282 | 290 | 292 | 305 |
| 9 | | 291 | 291 | 297 | 300 | 302 | 302 | 303 | 303 | 302 | 302 | 304 | 308 | 312 | 315 | 312 | 310 | 313 | 322 | 325 | 310 | 306 | 288 | 280 | 283 | 303 |
| 10 | | 286 | 293 | 298 | 301 | 300 | 302 | 300 | 301 | 300 | 301 | 302 | 307 | 312 | 322 | 336 | 349 | 349 | 340 | 330 | 311 | 298 | 281 | 291 | 299 | 309 |
| 11 | | 302 | 304 | 303 | 305 | 304 | 303 | 302 | 303 | 304 | 304 | 305 | 307 | 310 | 318 | 325 | 316 | 310 | 316 | 324 | 298 | 279 | 208 | 212 | 262 | 297 |
| 12 | D | 276 | 270 | 257 | 275 | 288 | 289 | 298 | 305 | 304 | 305 | 312 | 314 | 314 | 318 | 339 | 423 | 377 | 324 | 314 | 313 | 310 | 307 | 303 | 299 | 310 |
| 13 | | 261 | 232 | 232 | 250 | 272 | 294 | 302 | 305 | 306 | 305 | 305 | 306 | 308 | 309 | 308 | 309 | 307 | 306 | 304 | 304 | 304 | 303 | 303 | 303 | 293 |
| 14 | | 303 | 302 | 303 | 303 | 301 | 303 | 301 | 301 | 298 | 299 | 301 | 303 | 309 | 315 | 311 | 310 | 311 | 309 | 307 | 310 | 322 | 323 | 316 | 311 | 307 |
| 15 | | 307 | 299 | 296 | 298 | 301 | 303 | 302 | 302 | 302 | 302 | 303 | 303 | 306 | 307 | 307 | 308 | 313 | 319 | 312 | 312 | 314 | 310 | 301 | 305 | 306 |
| 16 | | 306 | 310 | 305 | 300 | 299 | 299 | 300 | 303 | 303 | 301 | 301 | 302 | 305 | 311 | 312 | 311 | 314 | 320 | 311 | 311 | 316 | 308 | 299 | 283 | 305 |
| 17 | D | 276 | 277 | 283 | 296 | 298 | 302 | 302 | 301 | 304 | 304 | 303 | 304 | 308 | 309 | 310 | 329 | 320 | 321 | 327 | 327 | 313 | 300 | 283 | 287 | 303 |
| 18 | | 270 | 266 | 268 | 267 | 288 | 295 | 298 | 299 | 300 | 301 | 300 | 303 | 311 | 310 | 322 | 310 | 309 | 307 | 308 | 306 | 298 | 300 | 303 | 300 | 297 |
| 19 | Q | 300 | 301 | 302 | 302 | 301 | 300 | 300 | 300 | 298 | 299 | 299 | 298 | 302 | 303 | 302 | 302 | 302 | 303 | 304 | 305 | 305 | 303 | 302 | 301 | 301 |
| 20 | | 299 | 299 | 297 | 298 | 299 | 300 | 299 | 298 | 297 | 297 | 297 | 298 | 302 | 303 | 302 | 301 | 301 | 302 | 303 | 303 | 301 | 296 | 296 | 299 | 299 |
| 21 | | 299 | 299 | 296 | 296 | 297 | 297 | 297 | 293 | 291 | 293 | 297 | 303 | 303 | 303 | 310 | 322 | 323 | 316 | 284 | 292 | 302 | 302 | 302 | 301 | |
| 22 | D | 274 | 284 | 297 | 299 | 292 | 288 | 283 | 285 | 291 | 301 | 310 | 306 | 309 | 311 | 316 | 309 | 313 | 317 | 312 | 310 | 306 | 304 | 295 | 290 | 300 |
| 23 | | 284 | 297 | 299 | 301 | 302 | 303 | 303 | 302 | 298 | 299 | 302 | 304 | 307 | 307 | 306 | 311 | 305 | 304 | 304 | 304 | 304 | 298 | 287 | 290 | 301 |
| 24 | Q | 298 | 299 | 300 | 301 | 302 | 302 | 302 | 302 | 301 | 300 | 302 | 304 | 306 | 306 | 304 | 308 | 308 | 310 | 310 | 311 | 307 | 303 | 301 | 297 | 303 |
| 25 | | 284 | 273 | 291 | 293 | 293 | 286 | 282 | 281 | 287 | 290 | 293 | 298 | 301 | 303 | 301 | 302 | 304 | 306 | 316 | 320 | 310 | 304 | 300 | 303 | 297 |
| 26 | | 302 | 302 | 301 | 303 | 298 | 297 | 299 | 300 | 300 | 301 | 302 | 304 | 307 | 306 | 304 | 303 | 313 | 310 | 312 | 309 | 306 | 299 | 301 | 299 | 303 |
| 27 | | 292 | 293 | 297 | 296 | 298 | 298 | 298 | 298 | 296 | 295 | 296 | 296 | 300 | 302 | 301 | 300 | 301 | 303 | 302 | 308 | 317 | 316 | 308 | 301 | 300 |
| 28 | | 291 | 281 | 280 | 286 | 295 | 299 | 300 | 302 | 302 | 307 | 309 | 310 | 311 | 312 | 310 | 319 | 320 | 343 | 332 | 309 | 289 | 261 | 283 | 274 | 301 |
| 29 | | 212 | 255 | 259 | 274 | 286 | 301 | 302 | 302 | 301 | 303 | 306 | 312 | 319 | 316 | 324 | 324 | 341 | 333 | 325 | 317 | 316 | 317 | 299 | 284 | 301 |
| 30 | D | 285 | 292 | 299 | 298 | 294 | 293 | 300 | 297 | 299 | 301 | 302 | 306 | 307 | 319 | 312 | 324 | 355 | 321 | 315 | 317 | 308 | 295 | 287 | 276 | 304 |
| 31 | | 261 | 282 | 295 | 296 | 298 | 300 | 299 | 299 | 300 | 300 | 298 | 300 | 305 | 304 | 303 | 303 | 303 | 305 | 305 | 305 | 305 | 303 | 296 | 296 | 298 |
| All | | 287 | 289 | 291 | 294 | 297 | 298 | 299 | 299 | 299 | 300 | 302 | 304 | 307 | 310 | 312 | 317 | 317 | 315 | 313 | 307 | 305 | 297 | 292 | 292 | 302 |
| Quiet | | 299 | 300 | 301 | 302 | 302 | 301 | 301 | 301 | 300 | 300 | 300 | 301 | 303 | 304 | 303 | 304 | 304 | 304 | 305 | 305 | 303 | 302 | 301 | 300 | 302 |
| Dist. | | 279 | 282 | 285 | 293 | 293 | 293 | 295 | 296 | 299 | 302 | 307 | 309 | 312 | 320 | 327 | 352 | 345 | 327 | 323 | 314 | 308 | 300 | 287 | 276 | 305 |

# 11 Hourly Means minus Monthly Means

## 11.1 All Days

North Component X in nT

| Month/Hour | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | -11 | -6 | 1 | 1 | 7 | 7 | 8 | 5 | 0 | 0 | 0 | -2 | 0 | 3 | 2 | 0 | 6 | -3 | -5 | 1 | -3 | -3 | -1 | -6 | 14884 |
| February | -2 | 0 | 0 | 1 | 4 | 3 | -1 | -2 | -2 | -4 | -5 | -5 | -2 | 0 | -2 | 1 | 10 | 10 | 0 | -2 | -4 | 1 | 1 | 0 | 14892 |
| March | -5 | 3 | 3 | 3 | 5 | 5 | 0 | -7 | -16 | -18 | -15 | -9 | -1 | 5 | 8 | 7 | 8 | 9 | 9 | 4 | 7 | 1 | 0 | -7 | 14890 |
| May | 0 | 3 | 3 | 6 | 5 | 3 | -1 | -9 | -18 | -25 | -22 | -16 | -2 | 4 | 9 | 11 | 12 | 20 | 15 | 7 | 2 | 0 | -4 | -1 | 14893 |
| April | 5 | 5 | 2 | 2 | 1 | -4 | -12 | -21 | -25 | -29 | -25 | -17 | -4 | 1 | 7 | 13 | 17 | 18 | 20 | 16 | 12 | 9 | 5 | 4 | 14899 |
| June | 3 | 4 | 5 | 3 | 0 | -7 | -17 | -23 | -25 | -25 | -21 | -14 | -1 | 2 | 10 | 16 | 17 | 16 | 16 | 17 | 12 | 6 | 4 | 3 | 14902 |
| July | -29 | -11 | -10 | -5 | -8 | -19 | -29 | -32 | -32 | -29 | -20 | 7 | 26 | 36 | 32 | 44 | 34 | 27 | 22 | 15 | 10 | 0 | -15 | -15 | 14892 |
| August | 2 | 3 | 4 | 5 | 3 | 0 | -8 | -18 | -24 | -24 | -19 | -12 | -4 | 6 | 13 | 18 | 18 | 16 | 13 | 10 | 7 | 1 | -6 | -4 | 14888 |
| September | 3 | 2 | 2 | 5 | 5 | -1 | -5 | -12 | -22 | -24 | -20 | -11 | -4 | 2 | 5 | 5 | 7 | 11 | 9 | 10 | 9 | 8 | 8 | 7 | 14887 |
| October | 5 | 3 | 4 | 7 | 9 | 7 | 2 | -6 | -15 | -18 | -17 | -12 | -5 | 0 | 2 | 1 | 1 | 3 | 3 | 5 | 6 | 6 | 5 | 4 | 14889 |
| November | -32 | 0 | -4 | -6 | -26 | -17 | -4 | 1 | -2 | 6 | 16 | 17 | 19 | 25 | 25 | 22 | 18 | 18 | 15 | -2 | -38 | -12 | -10 | -29 | 14862 |
| December | -2 | 0 | -1 | 4 | 6 | 6 | 8 | 5 | 2 | -2 | -5 | -4 | 1 | 0 | 1 | -1 | -2 | -2 | 0 | -2 | -3 | -4 | -2 | -3 | 14882 |
| Winter | -11 | -2 | -1 | 0 | -2 | 0 | 3 | 3 | -1 | 0 | 2 | 2 | 4 | 7 | 6 | 5 | 8 | 6 | 2 | -1 | -12 | -5 | -3 | -10 | 14880 |
| Equinox | 1 | 3 | 3 | 5 | 6 | 4 | -1 | -9 | -18 | -21 | -19 | -12 | -3 | 3 | 6 | 6 | 7 | 11 | 9 | 6 | 6 | 4 | 2 | 1 | 14890 |
| Summer | -5 | 0 | 1 | 1 | -1 | -8 | -17 | -23 | -27 | -27 | -21 | -9 | 4 | 11 | 16 | 23 | 22 | 19 | 18 | 14 | 10 | 4 | -3 | -3 | 14895 |
| Year | -5 | 0 | 1 | 2 | 1 | -1 | -5 | -10 | -15 | -16 | -13 | -6 | 2 | 7 | 9 | 12 | 12 | 12 | 10 | 6 | 1 | 1 | -1 | -4 | 14888 |

East Component Y in nT

| Month/Hour | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8 | 0 | 0 | -3 | -7 | -11 | -10 | -10 | -13 | -12 | -14 | -14 | -11 | -10 | 1 | -3 | 2 | 13 | 15 | 12 | 22 | 17 | 15 | 13 | 1654 |
| February | 8 | 5 | 7 | 5 | 2 | -1 | -7 | -8 | -8 | -11 | -13 | -15 | -15 | -13 | -7 | -3 | 3 | 5 | 6 | 9 | 11 | 16 | 15 | 11 | 1652 |
| March | 4 | 6 | 5 | 4 | 4 | 7 | 8 | 8 | 4 | -6 | -18 | -26 | -29 | -26 | -15 | -5 | 4 | 9 | 9 | 10 | 14 | 12 | 11 | 8 | 1656 |
| May | 9 | 6 | 7 | 8 | 10 | 12 | 17 | 17 | 10 | -2 | -16 | -27 | -30 | -27 | -20 | -14 | -7 | -3 | 2 | 8 | 7 | 12 | 14 | 7 | 1655 |
| April | 8 | 12 | 14 | 15 | 20 | 23 | 23 | 18 | 6 | -7 | -20 | -30 | -31 | -25 | -19 | -12 | -7 | -4 | -2 | 0 | 2 | 3 | 5 | 9 | 1656 |
| June | 8 | 8 | 14 | 20 | 25 | 27 | 26 | 19 | 9 | -3 | -17 | -27 | -30 | -26 | -20 | -14 | -9 | -7 | -6 | -5 | -1 | -1 | 2 | 5 | 1658 |
| July | 8 | 11 | 11 | 16 | 21 | 21 | 21 | 17 | 12 | 4 | -9 | -20 | -25 | -29 | -24 | -19 | -10 | -5 | -5 | -3 | -4 | -1 | 7 | 6 | 1666 |
| August | 9 | 10 | 13 | 17 | 18 | 19 | 20 | 14 | 5 | -8 | -23 | -32 | -32 | -27 | -18 | -9 | -3 | 1 | 2 | 2 | 2 | 9 | 11 | 5 | 1665 |
| September | 7 | 9 | 10 | 11 | 12 | 14 | 14 | 11 | 4 | -9 | -19 | -25 | -25 | -19 | -12 | -7 | -2 | 1 | 2 | 3 | 2 | 7 | 3 | 7 | 1667 |
| October | 5 | 5 | 3 | 5 | 4 | 5 | 8 | 9 | 5 | -3 | -13 | -21 | -23 | -19 | -11 | -6 | -3 | -1 | 4 | 8 | 9 | 13 | 10 | 6 | 1669 |
| November | 8 | 6 | 3 | 0 | -6 | -6 | -5 | 5 | 2 | 0 | -5 | -15 | -16 | -14 | -9 | -7 | -8 | 0 | 5 | 11 | 12 | 16 | 11 | 12 | 1681 |
| December | 3 | 5 | 1 | -3 | -4 | -4 | -3 | -2 | -3 | -7 | -9 | -12 | -13 | -10 | -5 | -6 | 0 | 1 | 9 | 10 | 14 | 17 | 14 | 6 | 1678 |
| Winter | 7 | 4 | 2 | -1 | -4 | -5 | -6 | -4 | -5 | -7 | -10 | -14 | -14 | -12 | -5 | -5 | -1 | 5 | 9 | 11 | 15 | 16 | 14 | 10 | 1666 |
| Equinox | 7 | 6 | 6 | 7 | 7 | 9 | 12 | 11 | 6 | -5 | -17 | -25 | -27 | -23 | -15 | -8 | -2 | 2 | 4 | 7 | 8 | 11 | 10 | 7 | 1662 |
| Summer | 8 | 11 | 13 | 17 | 21 | 22 | 22 | 17 | 8 | -4 | -18 | -27 | -29 | -27 | -20 | -14 | -7 | -4 | -3 | -2 | 0 | 3 | 6 | 6 | 1661 |
| Year | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 3 | -5 | -15 | -22 | -23 | -20 | -13 | -9 | -3 | 1 | 3 | 5 | 8 | 10 | 10 | 8 | 1663 |

Vertical Component Z in nT

| Month/Hour | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | -25 | -29 | -25 | -20 | -14 | -10 | -6 | -4 | -2 | 2 | 5 | 12 | 19 | 21 | 26 | 25 | 29 | 28 | 25 | 13 | -5 | -16 | -21 | -26 | 49671 |
| February | -12 | -9 | -10 | -11 | -8 | -7 | -7 | -6 | -5 | -3 | 0 | 2 | 5 | 9 | 14 | 19 | 21 | 15 | 16 | 8 | 1 | -8 | -13 | -11 | 49669 |
| March | -24 | -16 | -12 | -10 | -7 | -3 | 0 | 0 | -1 | -3 | -3 | 1 | 6 | 13 | 21 | 28 | 31 | 23 | 15 | 4 | -6 | -13 | -21 | -23 | 49666 |
| May | -14 | -6 | -4 | -2 | -1 | 0 | 1 | 0 | -3 | -6 | -6 | -4 | 4 | 9 | 13 | 18 | 22 | 22 | 16 | 5 | -10 | -15 | -21 | -18 | 49666 |
| April | -12 | -9 | -8 | -8 | -5 | -2 | -1 | -2 | -4 | -6 | -6 | -1 | 5 | 8 | 10 | 13 | 15 | 15 | 12 | 9 | 3 | -4 | -11 | -12 | 49665 |
| June | -10 | -10 | -8 | -5 | -2 | -1 | -1 | -3 | -4 | -7 | -8 | -4 | 3 | 8 | 10 | 13 | 14 | 12 | 9 | 6 | 2 | -1 | -6 | -9 | 49668 |
| July | -51 | -42 | -32 | -11 | -3 | -4 | -2 | 1 | 8 | 13 | 13 | 18 | 17 | 10 | 25 | 28 | 28 | 28 | 22 | 12 | 3 | -13 | -29 | -39 | 49667 |
| August | -14 | -10 | -6 | -4 | -3 | -2 | -2 | -3 | -3 | -5 | -6 | -2 | 4 | 11 | 19 | 21 | 21 | 15 | 7 | 1 | -4 | -8 | -15 | -14 | 49683 |
| September | -14 | -12 | -11 | -7 | -3 | -1 | 0 | 0 | -1 | -3 | -3 | 1 | 5 | 11 | 15 | 14 | 14 | 10 | 9 | 4 | -2 | -3 | -11 | -16 | 49683 |
| October | -14 | -12 | -11 | -8 | -5 | -3 | 0 | 0 | -1 | -2 | -1 | 2 | 7 | 12 | 16 | 16 | 14 | 11 | 9 | 3 | -1 | -7 | -11 | -14 | 49686 |
| November | -24 | -27 | -30 | -22 | -26 | -9 | -2 | 6 | 11 | 14 | 14 | 14 | 21 | 25 | 28 | 27 | 27 | 17 | 11 | 2 | -13 | -16 | -18 | -28 | 49700 |
| December | -15 | -13 | -11 | -8 | -5 | -4 | -3 | -3 | -2 | -1 | 0 | 2 | 5 | 8 | 10 | 15 | 15 | 13 | 11 | 6 | 3 | -5 | -9 | -10 | 49702 |
| Winter | -19 | -20 | -19 | -15 | -14 | -8 | -5 | -2 | 0 | 3 | 5 | 7 | 12 | 16 | 20 | 21 | 23 | 19 | 16 | 7 | -4 | -11 | -16 | -19 | 49686 |
| Equinox | -16 | -11 | -9 | -7 | -4 | -2 | 0 | 0 | -1 | -3 | -3 | 0 | 6 | 11 | 16 | 19 | 20 | 16 | 12 | 4 | -5 | -10 | -16 | -18 | 49675 |
| Summer | -22 | -18 | -14 | -7 | -3 | -2 | -1 | -2 | -1 | -1 | -2 | 3 | 8 | 10 | 16 | 19 | 19 | 18 | 13 | 7 | 1 | -7 | -15 | -19 | 49671 |
| Year | -19 | -16 | -14 | -10 | -7 | -4 | -2 | -1 | -1 | -1 | 0 | 3 | 9 | 12 | 17 | 20 | 21 | 18 | 14 | 6 | -2 | -9 | -15 | -18 | 49677 |

## 11.2 Quiet Days

North Component X in nT

| Month/Hour | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | -6 | -5 | -2 | 1 | 4 | 4 | 5 | 5 | 5 | 5 | 2 | -7 | -5 | -1 | 3 | -1 | -3 | 0 | -2 | 2 | -6 | -2 | 4 | 1 | 14889 |
| February | -3 | -4 | -3 | -2 | -1 | -1 | -1 | -1 | -1 | -2 | -3 | 0 | 0 | 1 | 0 | 2 | 3 | -1 | 4 | 1 | 3 | 5 | 5 | 1 | 14896 |
| March | 3 | 2 | 3 | 4 | 6 | 6 | 3 | -5 | -16 | -21 | -19 | -13 | -6 | -1 | 3 | 3 | 2 | 5 | 5 | 6 | 8 | 9 | 6 | 7 | 14899 |
| May | 3 | 2 | 4 | 4 | 4 | 2 | -2 | -11 | -22 | -28 | -25 | -18 | -8 | -2 | 0 | 6 | 6 | 9 | 13 | 12 | 14 | 13 | 12 | 12 | 14899 |
| April | 2 | 5 | 5 | 4 | 0 | -8 | -15 | -20 | -24 | -29 | -27 | -14 | -4 | 3 | 7 | 9 | 12 | 16 | 15 | 14 | 14 | 14 | 10 | 10 | 14902 |
| June | 4 | 6 | 7 | 5 | -1 | -6 | -12 | -16 | -19 | -23 | -23 | -20 | -11 | -3 | 4 | 14 | 16 | 15 | 16 | 14 | 12 | 9 | 7 | 6 | 14904 |
| July | 5 | 5 | 7 | 7 | 2 | -4 | -7 | -7 | -14 | -22 | -28 | -27 | -17 | -7 | 0 | 7 | 10 | 15 | 15 | 13 | 13 | 10 | 7 | 7 | 14903 |
| August | 3 | 4 | 4 | 2 | -2 | -3 | -3 | -6 | -12 | -17 | -19 | -12 | -8 | -2 | 5 | 6 | 7 | 11 | 11 | 11 | 10 | 8 | 7 | 7 | 14890 |
| September | 6 | 5 | 5 | 6 | 6 | 3 | -3 | -12 | -22 | -27 | -24 | -15 | -5 | -1 | 2 | 3 | 6 | 9 | 10 | 11 | 10 | 8 | 10 | 9 | 14889 |
| October | 2 | 2 | 2 | 3 | 6 | 5 | 0 | -9 | -17 | -21 | -18 | -12 | -5 | 0 | 2 | 4 | 5 | 6 | 7 | 8 | 7 | 7 | 7 | 7 | 14893 |
| November | 3 | 2 | 2 | 3 | 5 | 4 | 1 | -5 | -12 | -15 | -14 | -8 | -2 | 1 | 3 | 2 | 1 | 2 | 5 | 5 | 5 | 5 | 4 | 4 | 14884 |
| December | -3 | -3 | -2 | 0 | 3 | 4 | 2 | 0 | -4 | -7 | -6 | -3 | 0 | 2 | 3 | 0 | 1 | 2 | 2 | 1 | 3 | 2 | 2 | 0 | 14886 |
| Winter | -2 | -2 | -1 | 0 | 2 | 3 | 2 | 0 | -3 | -5 | -5 | -5 | -2 | 1 | 2 | 1 | 0 | 1 | 2 | 2 | 1 | 3 | 4 | 2 | 14889 |
| Equinox | 4 | 3 | 3 | 4 | 5 | 4 | -1 | -9 | -19 | -24 | -22 | -14 | -6 | -1 | 2 | 4 | 5 | 7 | 9 | 9 | 10 | 9 | 9 | 9 | 14895 |
| Summer | 3 | 5 | 5 | 5 | 0 | -5 | -9 | -12 | -18 | -23 | -24 | -18 | -10 | -2 | 4 | 9 | 12 | 15 | 15 | 14 | 13 | 11 | 8 | 8 | 14900 |
| Year | 2 | 2 | 3 | 3 | 3 | 1 | -3 | -7 | -13 | -17 | -17 | -13 | -6 | -1 | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 14895 |

East Component Y in nT

| Month/Hour | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 4 | 1 | -2 | 1 | 0 | -1 | -2 | -4 | -6 | -8 | -9 | -6 | -8 | -6 | 0 | -5 | -5 | -6 | 3 | 7 | 14 | 11 | 7 | 17 | 1648 |
| February | 11 | 9 | 8 | 7 | 7 | 6 | 4 | 2 | -2 | -7 | -9 | -13 | -14 | -13 | -8 | -7 | -6 | -2 | -3 | 1 | 2 | 7 | 10 | 10 | 1649 |
| March | 5 | 5 | 6 | 8 | 8 | 10 | 13 | 17 | 12 | 1 | -12 | -21 | -23 | -20 | -11 | -4 | -3 | -2 | 0 | 1 | 0 | 2 | 3 | 3 | 1649 |
| May | 2 | 7 | 11 | 12 | 14 | 16 | 20 | 18 | 11 | 1 | -13 | -24 | -27 | -22 | -13 | -9 | -5 | -4 | -2 | -1 | 0 | 3 | 4 | 4 | 1652 |
| April | 7 | 10 | 16 | 21 | 24 | 26 | 23 | 19 | 8 | -8 | -22 | -30 | -28 | -22 | -15 | -10 | -6 | -3 | -4 | -6 | -4 | -2 | 3 | 3 | 1656 |
| June | 7 | 9 | 15 | 22 | 25 | 26 | 28 | 24 | 12 | -2 | -17 | -27 | -28 | -24 | -18 | -14 | -11 | -8 | -5 | -4 | -6 | -3 | -1 | 1 | 1659 |
| July | 3 | 8 | 14 | 20 | 22 | 21 | 24 | 23 | 16 | 3 | -12 | -23 | -28 | -28 | -23 | -17 | -11 | -5 | -3 | -3 | -2 | -2 | -1 | 1 | 1660 |
| August | 7 | 8 | 10 | 14 | 15 | 16 | 18 | 19 | 10 | -1 | -13 | -24 | -28 | -22 | -15 | -8 | -4 | -4 | -4 | -3 | -1 | -1 | 3 | 5 | 1665 |
| September | 5 | 6 | 9 | 11 | 13 | 16 | 17 | 16 | 11 | -1 | -15 | -24 | -27 | -20 | -12 | -6 | -3 | -2 | -1 | -2 | 0 | 4 | 4 | 3 | 1665 |
| October | 4 | 5 | 4 | 4 | 6 | 9 | 13 | 13 | 7 | -3 | -12 | -16 | -16 | -11 | -7 | -5 | -4 | -4 | -2 | -1 | 1 | 5 | 5 | 5 | 1667 |
| November | 2 | 3 | 4 | 3 | 3 | 4 | 6 | 10 | 7 | 1 | -6 | -11 | -13 | -10 | -7 | -7 | -4 | -1 | 1 | 3 | 4 | 3 | 3 | 3 | 1673 |
| December | 5 | 1 | 0 | 0 | 1 | 2 | 3 | 3 | 2 | -2 | -5 | -9 | -10 | -7 | -5 | 0 | -1 | 0 | 2 | 5 | 6 | 5 | 3 | 2 | 1676 |
| Winter | 5 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | -4 | -7 | -10 | -11 | -9 | -5 | -5 | -4 | -2 | 1 | 4 | 7 | 6 | 6 | 8 | 1662 |
| Equinox | 4 | 6 | 8 | 9 | 10 | 13 | 16 | 16 | 10 | -1 | -13 | -21 | -23 | -18 | -11 | -6 | -4 | -3 | -1 | -1 | 0 | 3 | 4 | 4 | 1658 |
| Summer | 6 | 9 | 14 | 19 | 22 | 22 | 24 | 21 | 12 | -2 | -16 | -26 | -28 | -24 | -18 | -12 | -9 | -5 | -4 | -4 | -4 | -2 | 1 | 2 | 1660 |
| Year | 5 | 6 | 8 | 10 | 11 | 13 | 14 | 13 | 7 | -2 | -12 | -19 | -21 | -17 | -11 | -8 | -5 | -4 | -2 | 0 | 1 | 3 | 4 | 5 | 1660 |

Vertical Component Z in nT

| Month/Hour | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | -4 | -3 | -3 | -2 | -2 | -2 | -2 | -2 | -2 | -1 | 1 | 6 | 7 | 6 | 7 | 8 | 11 | 12 | 14 | 1 | 0 | -13 | -18 | -18 | 49669 |
| February | -3 | -3 | -1 | -1 | -2 | -2 | -4 | -4 | -4 | -3 | -2 | -2 | -1 | 1 | 3 | 3 | 5 | 7 | 5 | 6 | 4 | 2 | -2 | -2 | 49669 |
| March | 0 | 1 | 2 | 2 | 1 | 1 | 0 | -1 | -4 | -8 | -9 | -7 | -4 | 0 | 4 | 5 | 3 | 3 | 4 | 4 | 2 | 0 | 0 | 0 | 49664 |
| May | -2 | 1 | 4 | 4 | 4 | 4 | 3 | 0 | -6 | -11 | -12 | -10 | -5 | 1 | 2 | 4 | 5 | 4 | 4 | 4 | 3 | 2 | -2 | -2 | 49665 |
| April | -4 | -1 | 1 | 2 | 1 | 1 | -1 | -4 | -7 | -8 | -10 | -6 | -1 | 0 | 2 | 5 | 8 | 9 | 7 | 5 | 4 | 1 | -3 | -3 | 49666 |
| June | 2 | 3 | 3 | 2 | 1 | -2 | -3 | -4 | -8 | -11 | -11 | -7 | -2 | 0 | 2 | 6 | 8 | 7 | 6 | 4 | 2 | 2 | 1 | 0 | 49668 |
| July | -4 | 0 | 2 | 0 | 0 | -1 | -2 | -5 | -5 | -8 | -12 | -9 | -4 | 1 | 4 | 8 | 9 | 8 | 6 | 4 | 2 | 1 | 0 | 1 | 49669 |
| August | -3 | 1 | 2 | 2 | 0 | -1 | -2 | -4 | -5 | -9 | -12 | -8 | -1 | 4 | 9 | 9 | 9 | 5 | 3 | 2 | 1 | 1 | 1 | 1 | 49685 |
| September | -1 | 1 | 1 | 2 | 2 | 2 | 1 | 0 | -2 | -6 | -9 | -8 | -3 | 2 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | -1 | 49685 |
| October | -1 | -1 | -1 | 0 | 0 | 2 | 3 | 2 | -1 | -2 | -2 | -1 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | -1 | -2 | -3 | 49686 |
| November | -10 | -6 | -3 | -2 | -1 | -1 | 1 | 2 | 0 | -1 | -2 | -1 | 1 | 2 | 2 | 3 | 5 | 5 | 3 | 2 | 1 | 0 | -1 | -1 | 49696 |
| December | -3 | -2 | 0 | 0 | 0 | -1 | -1 | -1 | -2 | -2 | -2 | -1 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 1 | 0 | -1 | -2 | 49702 |
| Winter | -5 | -3 | -2 | -1 | -1 | -1 | -1 | -1 | -2 | -2 | -1 | 1 | 2 | 3 | 3 | 4 | 6 | 7 | 6 | 3 | 1 | -3 | -6 | -6 | 49684 |
| Equinox | -1 | 1 | 2 | 2 | 2 | 2 | 2 | 0 | -3 | -7 | -8 | -7 | -3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 0 | -1 | -1 | 49675 |
| Summer | -2 | 1 | 2 | 2 | 1 | 0 | -2 | -4 | -6 | -9 | -11 | -7 | -2 | 2 | 5 | 7 | 8 | 7 | 5 | 3 | 2 | 1 | -1 | -1 | 49672 |
| Year | -3 | -1 | 1 | 1 | 0 | 0 | -1 | -2 | -4 | -6 | -6 | -4 | -1 | 2 | 4 | 5 | 5 | 5 | 5 | 3 | 2 | 0 | -2 | -3 | 49677 |

## 11.3 Disturbed Days

North Component X in nT

| Month/Hour | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | -19 | 1 | 8 | -7 | 8 | 3 | 7 | 7 | -1 | 5 | 8 | 0 | 2 | 19 | 14 | 7 | 28 | 5 | -7 | -6 | -20 | -18 | -25 | -20 | 14873 |
| February | -9 | -3 | -5 | -3 | 4 | -1 | -4 | -5 | -4 | -6 | -6 | -11 | -5 | -1 | 1 | 11 | 49 | 47 | -1 | -7 | -14 | -7 | -11 | -7 | 14886 |
| March | -40 | 2 | -1 | 7 | 6 | 0 | 4 | -6 | -26 | -15 | -9 | 5 | 10 | 17 | 19 | 20 | 30 | 21 | 25 | -3 | 13 | -10 | -24 | -43 | 14878 |
| May | 12 | 6 | 10 | 13 | 13 | 10 | 8 | 4 | -5 | -22 | -16 | -6 | 24 | 19 | 32 | 24 | 27 | 59 | 14 | -24 | -49 | -39 | -64 | -48 | 14882 |
| April | 3 | 1 | -2 | -1 | -2 | -9 | -17 | -23 | -28 | -33 | -27 | -25 | -6 | 6 | 15 | 22 | 22 | 19 | 27 | 23 | 19 | 11 | 2 | 4 | 14895 |
| June | 4 | 3 | 4 | 2 | 2 | -9 | -31 | -33 | -30 | -26 | -21 | -13 | 8 | -8 | 12 | 21 | 22 | 21 | 22 | 24 | 12 | 6 | 4 | 3 | 14900 |
| July | -192 | -83 | -74 | -56 | -60 | -87 | -108 | -91 | -71 | -40 | 12 | 136 | 208 | 222 | 131 | 184 | 117 | 62 | 24 | -4 | -14 | -40 | -84 | -92 | 14875 |
| August | -8 | -3 | -1 | 3 | 10 | 7 | -1 | -19 | -22 | -17 | -17 | -8 | 7 | 32 | 44 | 57 | 52 | 29 | 7 | -5 | -14 | -39 | -62 | -35 | 14879 |
| September | 9 | -1 | 0 | 7 | 7 | -4 | -9 | -9 | -18 | -26 | -18 | -6 | 1 | 8 | 9 | 5 | 7 | 13 | 9 | 14 | -3 | -2 | 0 | 5 | 14884 |
| October | 6 | 3 | 3 | 14 | 13 | 5 | -1 | -6 | -14 | -13 | -16 | -9 | -4 | -1 | 0 | -1 | -2 | -4 | 3 | 10 | 6 | 4 | 0 | 3 | 14879 |
| November | -191 | 8 | -21 | -53 | -187 | -130 | -41 | 13 | 20 | 87 | 149 | 142 | 128 | 148 | 148 | 124 | 102 | 94 | 72 | -35 | -235 | -78 | -70 | -193 | 14786 |
| December | 2 | 1 | -6 | 7 | 14 | 10 | 16 | 14 | 5 | -4 | -6 | -3 | 2 | -3 | 0 | -9 | -9 | -11 | -9 | -8 | -2 | 3 | -2 | -1 | 14878 |
| Winter | -54 | 2 | -6 | -14 | -40 | -29 | -5 | 7 | 5 | 20 | 36 | 32 | 32 | 41 | 41 | 33 | 42 | 34 | 14 | -14 | -68 | -25 | -27 | -55 | 14856 |
| Equinox | -3 | 2 | 3 | 10 | 10 | 3 | 1 | -5 | -16 | -19 | -15 | -4 | 8 | 11 | 15 | 12 | 16 | 22 | 13 | -1 | -8 | -12 | -22 | -21 | 14881 |
| Summer | -48 | -20 | -18 | -13 | -13 | -25 | -41 | -43 | -38 | -29 | -13 | 22 | 54 | 63 | 50 | 71 | 53 | 33 | 20 | 9 | 1 | -16 | -35 | -30 | 14887 |
| Year | -35 | -6 | -7 | -6 | -14 | -17 | -15 | -13 | -16 | -9 | 3 | 17 | 31 | 38 | 35 | 39 | 37 | 30 | 16 | -2 | -25 | -17 | -28 | -35 | 14875 |

East Component Y in nT

| Month/Hour | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 18 | 10 | 5 | -12 | -15 | -26 | -17 | -22 | -20 | -17 | -26 | -20 | -8 | -20 | -8 | -7 | -7 | 45 | 25 | 23 | 29 | 29 | 22 | 18 | 1661 |
| February | 4 | 1 | 4 | 10 | 6 | -6 | -17 | -14 | -13 | -13 | -15 | -19 | -18 | -22 | -7 | -2 | 10 | 14 | 14 | 9 | 4 | 24 | 26 | 20 | 1655 |
| March | 4 | 9 | 4 | -3 | 1 | -3 | 4 | -2 | -2 | -15 | -22 | -29 | -33 | -32 | -20 | 3 | 8 | 7 | 11 | 16 | 23 | 23 | 22 | 22 | 1664 |
| May | 7 | 8 | 0 | 3 | 6 | 12 | 13 | 16 | 12 | -7 | -19 | -31 | -35 | -36 | -34 | -34 | -21 | -7 | 6 | 25 | 7 | 28 | 51 | 30 | 1658 |
| April | 20 | 20 | 12 | 14 | 17 | 20 | 22 | 14 | 3 | -11 | -21 | -30 | -29 | -25 | -20 | -14 | -12 | -5 | -5 | -3 | 8 | 10 | 7 | 9 | 1656 |
| June | 12 | 15 | 16 | 19 | 27 | 31 | 27 | 13 | 4 | 0 | -11 | -24 | -31 | -26 | -26 | -19 | -9 | -5 | -8 | -4 | 3 | -2 | 2 | -1 | 1658 |
| July | 32 | 39 | 0 | -4 | 7 | 4 | 4 | 5 | 12 | 21 | 14 | 14 | 7 | -31 | -31 | -40 | -18 | -16 | -15 | -16 | -12 | 1 | 8 | 16 | 1679 |
| August | 16 | 14 | 5 | 10 | 6 | 8 | 6 | 2 | -5 | -14 | -30 | -34 | -32 | -30 | -26 | -17 | -10 | 12 | 16 | 10 | 13 | 31 | 33 | 17 | 1668 |
| September | 4 | 8 | 4 | 9 | 10 | 9 | 5 | 1 | -4 | -18 | -27 | -34 | -30 | -19 | -11 | -9 | 5 | 14 | 20 | 12 | 5 | 23 | 5 | 18 | 1668 |
| October | 16 | 2 | -6 | 2 | 0 | -1 | -6 | -3 | -4 | -10 | -17 | -29 | -30 | -26 | -10 | 10 | 16 | 3 | 12 | 24 | 15 | 28 | 9 | 4 | 1672 |
| November | 22 | 14 | 3 | -5 | -36 | -29 | -27 | 15 | 7 | 17 | 14 | -16 | -22 | -18 | -3 | -14 | -26 | 3 | 0 | 13 | 20 | 20 | 16 | 35 | 1705 |
| December | 14 | 12 | 1 | -4 | -7 | -12 | -12 | -10 | -5 | -10 | -11 | -9 | -18 | -14 | -8 | 1 | 22 | 6 | 13 | 18 | 15 | 13 | 7 | -2 | 1679 |
| Winter | 14 | 9 | 3 | -3 | -13 | -18 | -18 | -8 | -8 | -6 | -9 | -16 | -16 | -18 | -6 | -6 | 0 | 17 | 13 | 16 | 17 | 22 | 18 | 18 | 1675 |
| Equinox | 8 | 7 | 1 | 3 | 5 | 4 | 4 | 3 | 1 | -13 | -21 | -31 | -32 | -28 | -19 | -7 | 2 | 4 | 12 | 19 | 13 | 26 | 22 | 18 | 1666 |
| Summer | 20 | 22 | 8 | 10 | 14 | 16 | 15 | 8 | 4 | -1 | -12 | -19 | -21 | -28 | -26 | -23 | -12 | -4 | -3 | -3 | 3 | 10 | 12 | 10 | 1665 |
| Year | 14 | 13 | 4 | 3 | 2 | 1 | 0 | 1 | -1 | -7 | -14 | -22 | -23 | -25 | -17 | -12 | -4 | 6 | 8 | 11 | 11 | 19 | 17 | 15 | 1669 |

Vertical Component Z in nT

| Month/Hour | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | -54 | -63 | -72 | -67 | -49 | -31 | -20 | -15 | -8 | 0 | 10 | 38 | 67 | 65 | 71 | 57 | 73 | 77 | 52 | 35 | -40 | -43 | -39 | -46 | 49675 |
| February | -19 | -15 | -26 | -34 | -24 | -21 | -19 | -16 | -15 | -7 | 3 | 5 | 9 | 16 | 28 | 51 | 66 | 48 | 46 | 10 | -15 | -22 | -25 | -26 | 49677 |
| March | -84 | -45 | -35 | -29 | -18 | -15 | 2 | 6 | 12 | 12 | 9 | 10 | 12 | 24 | 43 | 68 | 84 | 60 | 46 | 17 | -10 | -35 | -64 | -70 | 49664 |
| May | -9 | -11 | -8 | -10 | -7 | -6 | -3 | -2 | -2 | -4 | 0 | 2 | 19 | 23 | 35 | 46 | 68 | 72 | 40 | -9 | -44 | -40 | -78 | -71 | 49667 |
| April | -12 | -10 | -21 | -20 | -15 | -9 | -3 | -4 | -4 | -3 | 2 | 8 | 13 | 15 | 19 | 20 | 23 | 25 | 12 | 11 | 3 | -8 | -21 | -20 | 49663 |
| June | -16 | -26 | -24 | -16 | -8 | -4 | -5 | -5 | -3 | -3 | -4 | 2 | 15 | 21 | 17 | 24 | 29 | 24 | 15 | 4 | 2 | -4 | -12 | -26 | 49668 |
| July | -249 | -170 | -124 | -59 | -24 | -31 | -10 | 17 | 58 | 93 | 106 | 122 | 87 | 16 | 87 | 94 | 87 | 94 | 71 | 23 | -1 | -45 | -91 | -152 | 49647 |
| August | -38 | -32 | -28 | -27 | -19 | -12 | -6 | -3 | 0 | 1 | 4 | 13 | 20 | 39 | 64 | 76 | 74 | 52 | 14 | -14 | -29 | -44 | -69 | -35 | 49684 |
| September | -17 | -19 | -23 | -15 | -9 | -4 | -2 | 0 | 0 | 0 | 2 | 14 | 28 | 43 | 50 | 41 | 40 | 25 | 16 | -7 | -27 | -23 | -49 | -65 | 49681 |
| October | -39 | -41 | -40 | -22 | -13 | -10 | -3 | 1 | 3 | 3 | 7 | 14 | 29 | 40 | 52 | 44 | 35 | 24 | 19 | -5 | -12 | -23 | -29 | -33 | 49683 |
| November | -79 | -92 | -137 | -103 | -139 | -38 | -4 | 36 | 67 | 82 | 81 | 65 | 96 | 106 | 115 | 99 | 97 | 47 | 14 | -28 | -76 | -59 | -49 | -99 | 49691 |
| December | -27 | -23 | -20 | -13 | -12 | -12 | -10 | -9 | -6 | -3 | 2 | 4 | 7 | 15 | 22 | 46 | 39 | 22 | 18 | 9 | 3 | -5 | -19 | -29 | 49705 |
| Winter | -45 | -48 | -64 | -54 | -56 | -26 | -13 | -1 | 10 | 18 | 24 | 28 | 45 | 51 | 59 | 63 | 69 | 49 | 33 | 7 | -32 | -32 | -33 | -50 | 49687 |
| Equinox | -37 | -29 | -27 | -19 | -12 | -9 | -1 | 1 | 3 | 3 | 4 | 10 | 22 | 33 | 45 | 50 | 57 | 45 | 30 | -1 | -24 | -30 | -55 | -60 | 49674 |
| Summer | -79 | -59 | -49 | -30 | -16 | -14 | -7 | 1 | 13 | 22 | 27 | 36 | 34 | 23 | 47 | 54 | 54 | 49 | 28 | 6 | -6 | -25 | -48 | -58 | 49665 |
| Year | -54 | -46 | -47 | -35 | -28 | -16 | -7 | 0 | 9 | 14 | 18 | 25 | 33 | 35 | 50 | 55 | 60 | 48 | 30 | 4 | -21 | -29 | -45 | -56 | 49675 |

# 12 Monthly and Annual Means

All days

| | Z | H | D | F | X | Y | I |
|---|---|---|---|---|---|---|---|
| January | 49671 | 14975 | 6° 20.4′ | 51879 | 14884 | 1654 | 73° 13.4′ |
| February | 49669 | 14983 | 6° 19.7′ | 51880 | 14892 | 1652 | 73° 12.8′ |
| March | 49666 | 14982 | 6° 20.7′ | 51877 | 14890 | 1656 | 73° 12.8′ |
| May | 49666 | 14984 | 6° 20.5′ | 51877 | 14893 | 1655 | 73° 12.7′ |
| April | 49665 | 14990 | 6° 20.6′ | 51878 | 14899 | 1656 | 73° 12.3′ |
| June | 49668 | 14994 | 6° 21.0′ | 51882 | 14902 | 1658 | 73° 12.1′ |
| July | 49667 | 14985 | 6° 22.9′ | 51878 | 14892 | 1666 | 73° 12.7′ |
| August | 49683 | 14981 | 6° 23.0′ | 51892 | 14888 | 1665 | 73° 13.2′ |
| September | 49683 | 14981 | 6° 23.4′ | 51892 | 14887 | 1667 | 73° 13.2′ |
| October | 49686 | 14982 | 6° 23.7′ | 51895 | 14889 | 1669 | 73° 13.2′ |
| November | 49700 | 14957 | 6° 27.3′ | 51901 | 14862 | 1681 | 73° 15.1′ |
| December | 49702 | 14976 | 6° 26.1′ | 51909 | 14882 | 1678 | 73° 13.9′ |
| Winter | 49686 | 14973 | 6° 23.4′ | 51893 | 14880 | 1666 | 73° 13.8′ |
| Equinox | 49675 | 14982 | 6° 22.1′ | 51885 | 14890 | 1662 | 73° 13.0′ |
| Summer | 49671 | 14987 | 6° 21.9′ | 51882 | 14895 | 1661 | 73° 12.6′ |
| Year | 49677 | 14981 | 6° 22.4′ | 51887 | 14888 | 1663 | 73° 13.1′ |

5 Quiet days

| | Z | H | D | F | X | Y | I |
|---|---|---|---|---|---|---|---|
| January | 49669 | 14980 | 6° 19.0′ | 51879 | 14889 | 1648 | 73° 13.0′ |
| February | 49669 | 14987 | 6° 19.1′ | 51880 | 14896 | 1649 | 73° 12.6′ |
| March | 49664 | 14990 | 6° 19.0′ | 51877 | 14899 | 1649 | 73° 12.3′ |
| May | 49665 | 14990 | 6° 19.7′ | 51878 | 14899 | 1652 | 73° 12.3′ |
| April | 49666 | 14993 | 6° 20.4′ | 51880 | 14902 | 1656 | 73° 12.1′ |
| June | 49668 | 14996 | 6° 21.0′ | 51883 | 14904 | 1659 | 73° 12.0′ |
| July | 49669 | 14995 | 6° 21.5′ | 51883 | 14903 | 1660 | 73° 12.1′ |
| August | 49685 | 14983 | 6° 22.8′ | 51895 | 14890 | 1665 | 73° 13.1′ |
| September | 49685 | 14982 | 6° 22.9′ | 51894 | 14889 | 1665 | 73° 13.2′ |
| October | 49686 | 14986 | 6° 23.3′ | 51897 | 14893 | 1667 | 73° 13.0′ |
| November | 49696 | 14978 | 6° 24.8′ | 51904 | 14884 | 1673 | 73° 13.7′ |
| December | 49702 | 14980 | 6° 25.3′ | 51910 | 14886 | 1676 | 73° 13.7′ |
| Winter | 49684 | 14981 | 6° 22.1′ | 51894 | 14889 | 1662 | 73° 13.2′ |
| Equinox | 49675 | 14987 | 6° 21.2′ | 51887 | 14895 | 1658 | 73° 12.7′ |
| Summer | 49672 | 14992 | 6° 21.4′ | 51885 | 14900 | 1660 | 73° 12.3′ |
| Year | 49677 | 14987 | 6° 21.6′ | 51888 | 14895 | 1660 | 73° 12.7′ |

5 Disturbed days

| | Z | H | D | F | X | Y | I |
|---|---|---|---|---|---|---|---|
| January | 49675 | 14965 | 6° 22.4′ | 51880 | 14873 | 1661 | 73° 14.0′ |
| February | 49677 | 14978 | 6° 20.7′ | 51886 | 14886 | 1655 | 73° 13.3′ |
| March | 49664 | 14971 | 6° 22.8′ | 51872 | 14878 | 1664 | 73° 13.5′ |
| May | 49667 | 14974 | 6° 21.4′ | 51875 | 14882 | 1658 | 73° 13.4′ |
| April | 49663 | 14987 | 6° 20.7′ | 51875 | 14895 | 1656 | 73° 12.4′ |
| June | 49668 | 14992 | 6° 21.0′ | 51881 | 14900 | 1658 | 73° 12.3′ |
| July | 49647 | 14970 | 6° 26.3′ | 51855 | 14875 | 1679 | 73° 13.3′ |
| August | 49684 | 14972 | 6° 23.8′ | 51891 | 14879 | 1668 | 73° 13.8′ |
| September | 49681 | 14978 | 6° 23.7′ | 51890 | 14884 | 1668 | 73° 13.4′ |
| October | 49683 | 14973 | 6° 24.8′ | 51890 | 14879 | 1672 | 73° 13.7′ |
| November | 49691 | 14884 | 6° 34.6′ | 51872 | 14786 | 1705 | 73° 19.5′ |
| December | 49705 | 14972 | 6° 26.3′ | 51911 | 14878 | 1679 | 73° 14.2′ |
| Winter | 49687 | 14950 | 6° 26.0′ | 51887 | 14856 | 1675 | 73° 15.3′ |
| Equinox | 49674 | 14974 | 6° 23.2′ | 51882 | 14881 | 1666 | 73° 13.5′ |
| Summer | 49665 | 14980 | 6° 23.0′ | 51875 | 14887 | 1665 | 73° 12.9′ |
| Year | 49675 | 14968 | 6° 24.0′ | 51881 | 14875 | 1669 | 73° 13.9′ |

# 13 Hourly Means of All Days as Sequenced in Bartels' 27-day Solar Rotation Number

## 13.1 H-Component

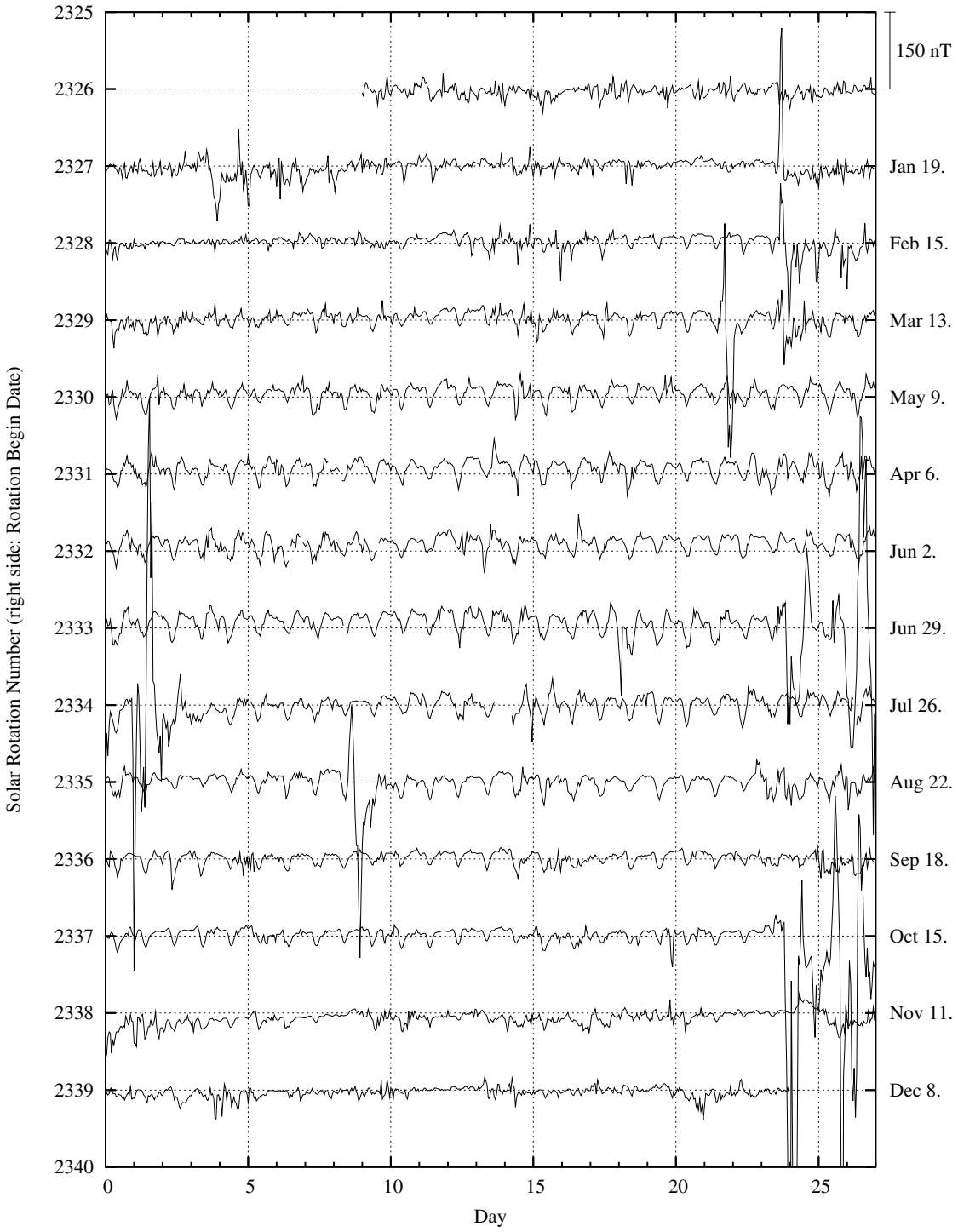



Figure 3: Hourly means of H sequenced in Bartels' solar rotation cycles.

## 13.2 D-Component

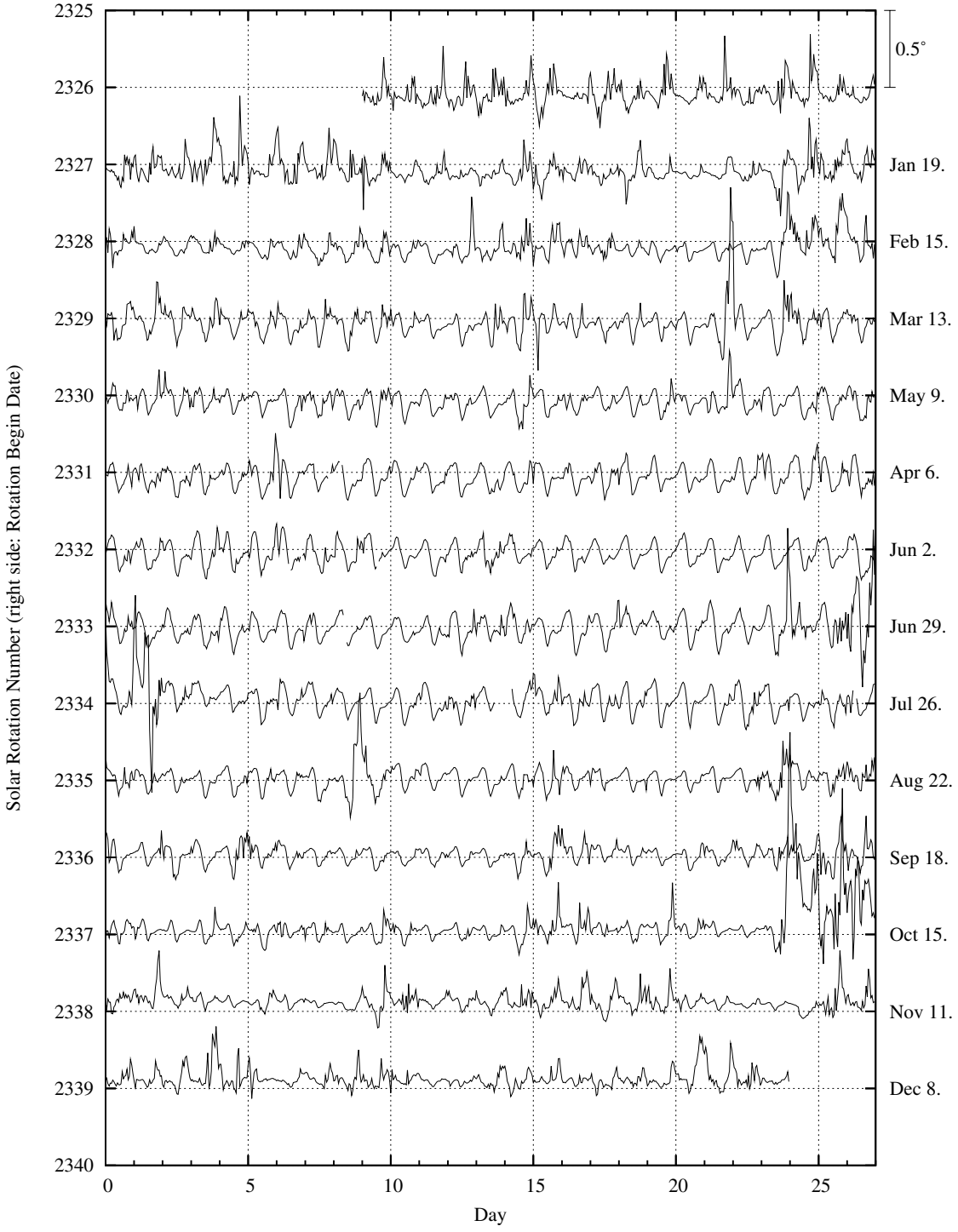



Figure 4: Hourly means of D sequenced in Bartels' solar rotation cycles.

## 13.3 Z-Component

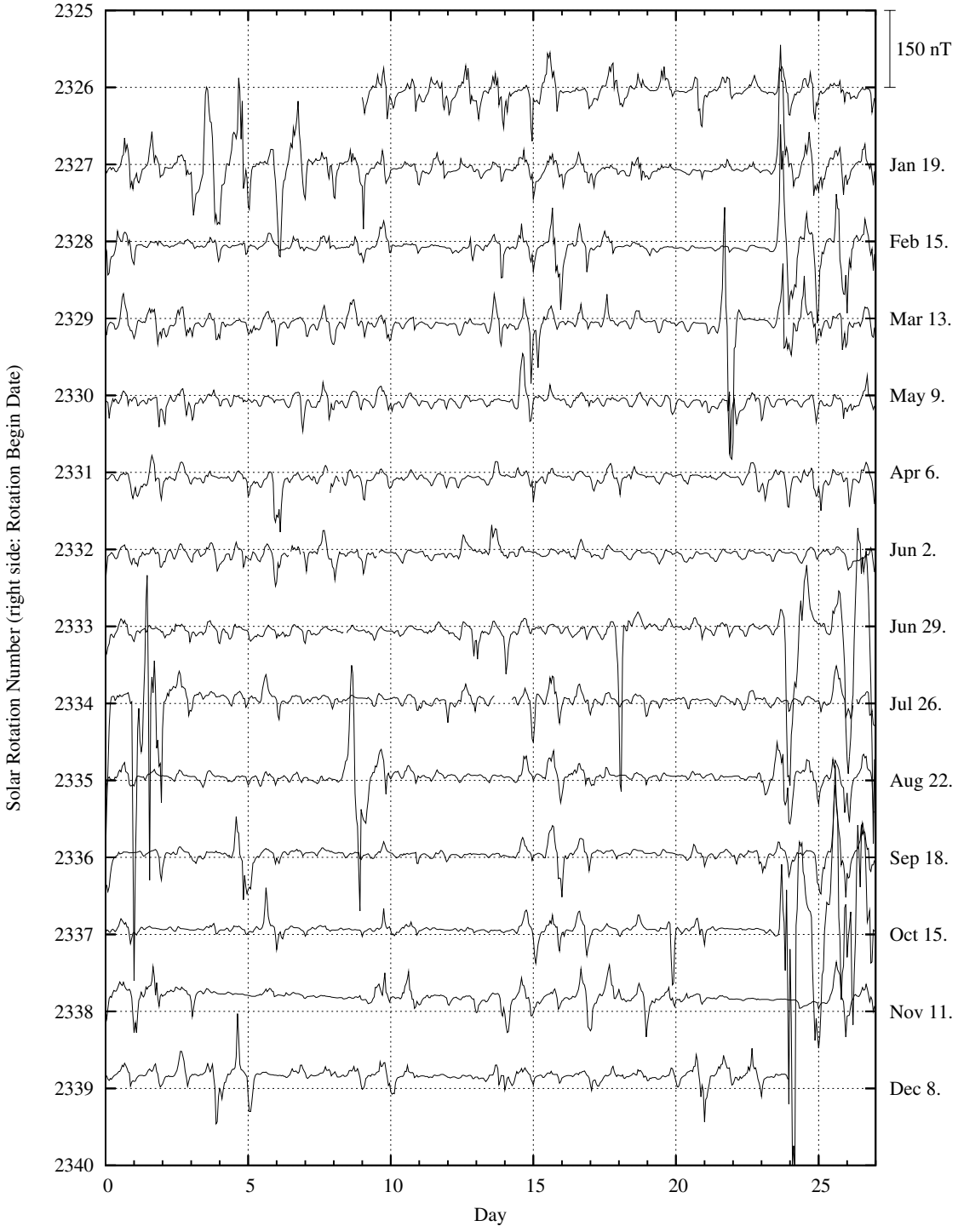



Figure 5: Hourly means of Z sequenced in Bartels' solar rotation cycles.

# 14 K-Indices

## 14.1 Monthly Tables of K-Indices

January

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 2 | 3 | 2 | 4 | 4 | 5 | 4 | 22 |
| 2 | 3 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 15 |
| 3 | 2 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 18 |
| 4 | 3 | 3 | 2 | 3 | 4 | 5 | 4 | 2 | 20 |
| 5 | 3 | 3 | 2 | 3 | 4 | 6 | 5 | 4 | 29 |
| 6 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 5 | 16 |
| 7 | 3 | 3 | 4 | 4 | 4 | 5 | 4 | 3 | 25 |
| 8 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 4 | 8 |
| 9 | 3 | 3 | 4 | 2 | 3 | 5 | 4 | 2 | 20 |
| 10 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 2 | 20 |
| 11 | 1 | 1 | 2 | 3 | 5 | 5 | 4 | 3 | 21 |
| 12 | 0 | 1 | 0 | 1 | 2 | 2 | 4 | 4 | 9 |
| 13 | 3 | 2 | 2 | 2 | 4 | 5 | 4 | 4 | 21 |
| 14 | 3 | 1 | 1 | 2 | 3 | 2 | 3 | 3 | 10 |
| 15 | 2 | 2 | 1 | 1 | 4 | 4 | 5 | 4 | 19 |
| 16 | 4 | 2 | 3 | 3 | 3 | 5 | 5 | 3 | 24 |
| 17 | 2 | 2 | 3 | 3 | 3 | 3 | 5 | 4 | 19 |
| 18 | 2 | 3 | 2 | 2 | 2 | 1 | 5 | 5 | 18 |
| 19 | 2 | 2 | 2 | 2 | 3 | 4 | 3 | 3 | 13 |
| 20 | 3 | 3 | 2 | 3 | 4 | 5 | 3 | 3 | 20 |
| 21 | 2 | 2 | 3 | 2 | 3 | 3 | 5 | 3 | 16 |
| 22 | 5 | 4 | 4 | 5 | 6 | 5 | 6 | 5 | 51 |
| 23 | 4 | 3 | 3 | 4 | 4 | 7 | 6 | 5 | 47 |
| 24 | 5 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 18 |
| 25 | 5 | 6 | 3 | 3 | 4 | 5 | 5 | 4 | 39 |
| 26 | 3 | 2 | 2 | 2 | 3 | 3 | 5 | 3 | 16 |
| 27 | 4 | 2 | 3 | 2 | 4 | 4 | 2 | 3 | 17 |
| 28 | 5 | 3 | 3 | 3 | 2 | 3 | 5 | 3 | 22 |
| 29 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 6 |
| 30 | 2 | 2 | 2 | 4 | 3 | 3 | 4 | 4 | 17 |
| 31 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 2 | 5 |
| Mean | | | | | | | | | 20.0 |

February

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 2 | 1 | 2 | 2 | 3 | 3 | 8 |
| 2 | 1 | 1 | 3 | 3 | 3 | 5 | 2 | 4 | 17 |
| 3 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 18 |
| 4 | 4 | 2 | 3 | 2 | 2 | 3 | 3 | 4 | 15 |
| 5 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 10 |
| 6 | 2 | 3 | 4 | 4 | 3 | 4 | 4 | 2 | 19 |
| 7 | 1 | 1 | 2 | 1 | 1 | 1 | 3 | 1 | 5 |
| 8 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 3 | 3 |
| 9 | 1 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 7 |
| 10 | 2 | 1 | 1 | 2 | 2 | 3 | 0 | 2 | 6 |
| 11 | 2 | 1 | 1 | 2 | 4 | 8 | 7 | 4 | 57 |
| 12 | 2 | 3 | 4 | 3 | 3 | 5 | 6 | 4 | 29 |
| 13 | 4 | 3 | 2 | 3 | 4 | 4 | 4 | 5 | 24 |
| 14 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 20 |
| 15 | 4 | 3 | 3 | 3 | 2 | 4 | 3 | 3 | 17 |
| 16 | 4 | 1 | 1 | 2 | 1 | 0 | 3 | 1 | 8 |
| 17 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 3 |
| 18 | 2 | 1 | 0 | 0 | 1 | 3 | 3 | 3 | 7 |
| 19 | 2 | 2 | 2 | 1 | 0 | 2 | 3 | 3 | 8 |
| 20 | 1 | 1 | 0 | 0 | 0 | 2 | 2 | 1 | 3 |
| 21 | 2 | 1 | 0 | 1 | 2 | 2 | 3 | 2 | 6 |
| 22 | 2 | 1 | 1 | 2 | 3 | 2 | 4 | 3 | 11 |
| 23 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 8 |
| 24 | 3 | 2 | 1 | 2 | 2 | 3 | 3 | 3 | 11 |
| 25 | 2 | 1 | 1 | 1 | 2 | 0 | 3 | 3 | 7 |
| 26 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 2 |
| 27 | 0 | 3 | 2 | 2 | 1 | 2 | 5 | 4 | 14 |
| 28 | 1 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 16 |
| 29 | 2 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 20 |
| Mean | | | | | | | | | 13.1 |

March

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 2 | 3 | 2 | 3 | 5 | 5 | 5 | 25 |
| 2 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 17 |
| 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 1 | 11 |
| 4 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 5 |
| 5 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 5 |
| 6 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 2 |
| 7 | 0 | 0 | 1 | 2 | 1 | 0 | 2 | 2 | 3 |
| 8 | 1 | 1 | 1 | 2 | 1 | 1 | 0 | 0 | 3 |
| 9 | 1 | 1 | 2 | 3 | 3 | 7 | 6 | 6 | 43 |
| 10 | 6 | 5 | 5 | 3 | 4 | 3 | 5 | 6 | 45 |
| 11 | 4 | 3 | 3 | 3 | 4 | 6 | 6 | 5 | 38 |
| 12 | 6 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 24 |
| 13 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 12 |
| 14 | 3 | 2 | 2 | 3 | 3 | 2 | 5 | 3 | 16 |
| 15 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 13 |
| 16 | 3 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 10 |
| 17 | 3 | 2 | 1 | 1 | 1 | 1 | 3 | 2 | 7 |
| 18 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 11 |
| 19 | 4 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 8 |
| 20 | 2 | 2 | 1 | 2 | 2 | 5 | 2 | 3 | 13 |
| 21 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 1 | 10 |
| 22 | 2 | 2 | 1 | 1 | 2 | 3 | 3 | 3 | 9 |
| 23 | 3 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 9 |
| 24 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| 25 | 0 | 0 | 1 | 0 | 1 | 3 | 2 | 1 | 4 |
| 26 | 1 | 1 | 1 | 2 | 4 | 4 | 4 | 4 | 16 |
| 27 | 2 | 2 | 2 | 4 | 4 | 5 | 3 | 5 | 23 |
| 28 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 2 | 18 |
| 29 | 2 | 2 | 2 | 2 | 3 | 4 | 2 | 2 | 11 |
| 30 | 1 | 2 | 2 | 3 | 4 | 2 | 2 | 2 | 10 |
| 31 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 1 | 9 |
| Mean | | | | | | | | | 13.9 |

May

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 1 | 1 | 2 | 1 | 2 | 1 | 3 |
| 2 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 2 |
| 3 | 1 | 2 | 2 | 3 | 5 | 7 | 9 | 6 | 88 |
| 4 | 7 | 2 | 1 | 2 | 3 | 3 | 2 | 2 | 25 |
| 5 | 1 | 1 | 1 | 1 | 3 | 5 | 6 | 5 | 25 |
| 6 | 4 | 3 | 3 | 4 | 5 | 2 | 4 | 3 | 23 |
| 7 | 3 | 2 | 2 | 2 | 2 | 1 | 4 | 3 | 11 |
| 8 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 9 |
| 9 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 12 |
| 10 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 4 | 9 |
| 11 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 11 |
| 12 | 3 | 2 | 2 | 3 | 2 | 2 | 4 | 1 | 11 |
| 13 | 2 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 6 |
| 14 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 2 |
| 15 | 1 | 0 | 1 | 3 | 2 | 2 | 2 | 3 | 7 |
| 16 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 11 |
| 17 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 6 |
| 18 | 1 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 10 |
| 19 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 6 |
| 20 | 2 | 0 | 2 | 2 | 1 | 0 | 1 | 2 | 4 |
| 21 | 1 | 2 | 2 | 2 | 2 | 1 | 3 | 1 | 7 |
| 22 | 0 | 0 | 2 | 1 | 2 | 2 | 2 | 1 | 4 |
| 23 | 2 | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 15 |
| 24 | 1 | 1 | 2 | 4 | 2 | 2 | 1 | 2 | 8 |
| 25 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 10 |
| 26 | 2 | 1 | 1 | 1 | 2 | 3 | 2 | 1 | 6 |
| 27 | 0 | 1 | 1 | 1 | 2 | 3 | 2 | 1 | 5 |
| 28 | 1 | 0 | 2 | 1 | 2 | 4 | 4 | 3 | 11 |
| 29 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 |
| 30 | 2 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 13 |
| Mean | | | | | | | | | 12.1 |

April

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 11 |
| 2 | 3 | 1 | 1 | 3 | 2 | 2 | 2 | 1 | 8 |
| 3 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 7 |
| 4 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 7 |
| 5 | 2 | 3 | 2 | 2 | 3 | 4 | 3 | 3 | 14 |
| 6 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 10 |
| 7 | 2 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 15 |
| 8 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 8 |
| 9 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 6 |
| 10 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 6 |
| 11 | 3 | 2 | 1 | 2 | 2 | 2 | 3 | 5 | 14 |
| 12 | 4 | 5 | 2 | 1 | 2 | 2 | 2 | 1 | 14 |
| 13 | 1 | 2 | 3 | 2 | 3 | 3 | 4 | 3 | 13 |
| 14 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 5 |
| 15 | 3 | 2 | 1 | 2 | 2 | 1 | 1 | 3 | 8 |
| 16 | 2 | 0 | 1 | 2 | 2 | 1 | 1 | 2 | 5 |
| 17 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 2 | 4 |
| 18 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 4 |
| 19 | 1 | 2 | 1 | 2 | 4 | 4 | 2 | 2 | 11 |
| 20 | 1 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 14 |
| 21 | 4 | 2 | 2 | 3 | 3 | 3 | 1 | 0 | 11 |
| 22 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | 7 |
| 23 | 3 | 2 | 2 | 3 | 4 | 3 | 2 | 2 | 13 |
| 24 | 3 | 2 | 3 | 3 | 4 | 2 | 2 | 1 | 12 |
| 25 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 0 | 4 |
| 26 | 0 | 1 | 1 | 2 | 2 | 2 | 0 | 1 | 4 |
| 27 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 4 |
| 28 | 1 | 1 | 0 | 1 | 3 | 2 | 2 | 3 | 7 |
| 29 | 3 | 3 | 2 | 4 | 3 | 3 | 2 | 4 | 16 |
| 30 | 2 | 2 | 2 | 3 | 4 | 3 | 3 | 4 | 15 |
| 31 | 4 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 12 |
| Mean | | | | | | | | | 9.3 |

June

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 16 |
| 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 11 |
| 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 8 |
| 4 | 3 | 2 | 1 | 2 | 3 | 2 | 2 | 2 | 9 |
| 5 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 12 |
| 6 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 12 |
| 7 | 3 | 2 | 1 | 2 | 3 | 2 | 2 | 4 | 11 |
| 8 | 4 | 3 | 2 | 2 | 2 | 3 | 2 | 1 | 11 |
| 9 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 12 |
| 10 | 3 | 2 | 2 | 1 | 3 | 1 | 3 | 2 | 9 |
| 11 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 0 | 6 |
| 12 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 3 |
| 13 | 0 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 5 |
| 14 | 1 | 1 | 2 | 3 | 4 | 3 | 2 | 2 | 11 |
| 15 | 2 | 2 | 3 | 3 | 5 | 4 | 3 | 2 | 18 |
| 16 | 2 | 2 | 3 | 2 | 3 | 2 | 1 | 2 | 9 |
| 17 | 1 | 2 | 2 | 3 | 2 | 3 | 2 | 1 | 8 |
| 18 | 1 | 2 | 2 | 3 | 4 | 3 | 2 | 2 | 11 |
| 19 | 2 | 1 | 2 | 2 | 3 | 2 | 1 | 0 | 6 |
| 20 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 5 |
| 21 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 5 |
| 22 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| 23 | 1 | 1 | 0 | 1 | 2 | 2 | 1 | 1 | 4 |
| 24 | 1 | 1 | 2 | 1 | 3 | 1 | 1 | 0 | 5 |
| 25 | 0 | 1 | 0 | 0 | 3 | 2 | 2 | 0 | 4 |
| 26 | 1 | 1 | 1 | 2 | 4 | 3 | 2 | 2 | 9 |
| 27 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 2 | 3 |
| 28 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 15 |
| 29 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 20 |
| 30 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 9 |
| Mean | | | | | | | | | 9.0 |

July

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 8 |
| 2 | 2 | 2 | 1 | 3 | 3 | 3 | 2 | 3 | 11 |
| 3 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 7 |
| 4 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 6 |
| 5 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 8 |
| 6 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 5 |
| 7 | 0 | 1 | 2 | | 1 | 0 | 1 | 0 | 2 |
| 8 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 2 |
| 9 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 0 | 4 |
| 10 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | 7 |
| 11 | 3 | 1 | 1 | 4 | 5 | 3 | 3 | 5 | 22 |
| 12 | 4 | 2 | 2 | 2 | 3 | 2 | 2 | 4 | 13 |
| 13 | 4 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 14 |
| 14 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 7 |
| 15 | 1 | 1 | 0 | 1 | 1 | 3 | 2 | 2 | 5 |
| 16 | 1 | 1 | 1 | 2 | 3 | 3 | 2 | 4 | 10 |
| 17 | 6 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 19 |
| 18 | 2 | 1 | 2 | 3 | 1 | 2 | 1 | 2 | 7 |
| 19 | 1 | 1 | 1 | 2 | 2 | 4 | 2 | 2 | 8 |
| 20 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 8 |
| 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| 22 | 0 | 0 | 1 | 4 | 5 | 4 | 4 | 7 | 34 |
| 23 | 6 | 5 | 5 | 5 | 5 | 5 | 3 | 2 | 43 |
| 24 | 2 | 2 | 4 | 3 | 6 | 5 | 4 | 5 | 32 |
| 25 | 6 | 6 | 6 | 8 | 8 | 8 | 6 | 9 | 180 |
| 26 | 7 | 5 | 2 | 3 | 2 | 3 | 5 | 7 | 53 |
| 27 | 9 | 7 | 7 | 9 | 9 | 9 | 6 | 6 | 255 |
| 28 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 2 | 20 |
| 29 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 8 |
| 30 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 7 |
| 31 | 2 | 1 | 2 | 2 | 3 | 3 | 1 | 1 | 8 |
| Mean | | | | | | | | | 26.3 |

August

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 2 | 1 | 1 | 2 | 1 | 3 | 3 | 9 |
| 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 6 |
| 3 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| 4 | 0 | 0 | 2 | 1 | 2 | 1 | 0 | 0 | 3 |
| 5 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 5 |
| 6 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 6 |
| 7 | 3 | 2 | 2 | 4 | 4 | 3 | 3 | 3 | 16 |
| 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 3 |
| 9 | 2 | 2 | 3 | 2 | 2 | 4 | 4 | 5 | 18 |
| 10 | 4 | 2 | 1 | 2 | 4 | 4 | 4 | 3 | 18 |
| 11 | 2 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 11 |
| 12 | 3 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 7 |
| 13 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 7 |
| 14 | 2 | 2 | 3 | 3 | 1 | 2 | 2 | 1 | 8 |
| 15 | 0 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 2 |
| 16 | 0 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 6 |
| 17 | 3 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 11 |
| 18 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 10 |
| 19 | 2 | 0 | 0 | 2 | 2 | 3 | 1 | 2 | 6 |
| 20 | 3 | 2 | 2 | 4 | 4 | 4 | 2 | 3 | 17 |
| 21 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 14 |
| 22 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 12 |
| 23 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 5 |
| 24 | 1 | 1 | 0 | 1 | 1 | 2 | 1 | 0 | 3 |
| 25 | 0 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 4 |
| 26 | 1 | 0 | 1 | 1 | 2 | 3 | 2 | 3 | 7 |
| 27 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 2 | 6 |
| 28 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 6 |
| 29 | 1 | 1 | 0 | 2 | 2 | 1 | 1 | 2 | 4 |
| 30 | 2 | 2 | 3 | 3 | 5 | 6 | 5 | 7 | 45 |
| 31 | 5 | 4 | 4 | 3 | 3 | 3 | 4 | 2 | 23 |
| Mean | | | | | | | | | 9.7 |

September

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 7 |
| 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 5 |
| 3 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 |
| 4 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 2 | 3 |
| 5 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 1 | 7 |
| 6 | 3 | 1 | 2 | 3 | 3 | 4 | 2 | 3 | 13 |
| 7 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 8 |
| 8 | 3 | 2 | 2 | 1 | 2 | 1 | 1 | 0 | 6 |
| 9 | 0 | 1 | 1 | 1 | 2 | 1 | 1 | 3 | 5 |
| 10 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| 11 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 |
| 12 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 2 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 9 |
| 14 | 3 | 4 | 3 | 4 | 4 | 4 | 6 | 4 | 31 |
| 15 | 4 | 2 | 2 | 2 | 3 | 4 | 2 | 3 | 14 |
| 16 | 3 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 16 |
| 17 | 5 | 2 | 3 | 3 | 3 | 3 | 2 | 4 | 19 |
| 18 | 4 | 4 | 2 | 3 | 3 | 1 | 0 | 0 | 12 |
| 19 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 4 | 6 |
| 20 | 3 | 1 | 3 | 3 | 3 | 2 | 1 | 2 | 10 |
| 21 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 6 |
| 22 | 1 | 1 | 3 | 3 | 3 | 4 | 5 | 3 | 18 |
| 23 | 4 | 4 | 2 | 1 | 2 | 2 | 2 | 3 | 13 |
| 24 | 3 | 1 | 1 | 1 | 0 | 2 | 2 | 2 | 6 |
| 25 | 0 | 1 | 0 | 2 | 2 | 2 | 2 | 1 | 4 |
| 26 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 3 |
| 27 | 1 | 0 | 0 | 2 | 2 | 2 | 2 | 0 | 4 |
| 28 | 0 | 2 | 2 | 1 | 0 | 1 | 1 | 3 | 5 |
| 29 | 1 | 0 | 1 | 2 | 1 | 1 | 1 | 3 | 5 |
| 30 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 |
| Mean | | | | | | | | | 8.1 |

October

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 1 | 1 | 1 | 1 | 0 | 3 | 1 | 4 |
| 2 | 1 | 1 | 2 | 3 | 3 | 2 | 3 | 2 | 9 |
| 3 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 4 | 11 |
| 4 | 3 | 2 | 2 | 2 | 2 | 2 | 4 | 3 | 12 |
| 5 | 2 | 1 | 1 | 0 | 0 | 1 | 2 | 2 | 4 |
| 6 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 2 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 8 | 0 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 5 |
| 9 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 5 |
| 10 | 3 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 8 |
| 11 | 3 | 2 | 2 | 1 | 3 | 3 | 1 | 3 | 10 |
| 12 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 4 | 9 |
| 13 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 24 |
| 14 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 18 |
| 15 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 11 |
| 16 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 2 | 4 |
| 19 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 2 | 3 |
| 20 | 1 | 2 | 2 | 2 | 2 | 2 | 0 | 3 | 7 |
| 21 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 1 | 7 |
| 22 | 3 | 1 | 1 | 1 | 1 | 3 | 2 | 1 | 7 |
| 23 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 |
| 24 | 2 | 1 | 1 | 2 | 1 | 2 | 4 | 2 | 8 |
| 25 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 10 |
| 26 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 27 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 3 |
| 28 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 |
| 29 | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 2 | 6 |
| 30 | 3 | 3 | 1 | 2 | 2 | 4 | 4 | 4 | 16 |
| 31 | 2 | 1 | 1 | 2 | 3 | 4 | 4 | 3 | 13 |
| Mean | | | | | | | | | 7.2 |

November

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 1 | 1 | 1 | 2 | 1 | 0 | 3 | 6 |
| 2 | 2 | 0 | 1 | 1 | 1 | 2 | 2 | 1 | 4 |
| 3 | 1 | 0 | 1 | 2 | 1 | 3 | 5 | 5 | 16 |
| 4 | 1 | 2 | 2 | 1 | 1 | 2 | 3 | 3 | 8 |
| 5 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 7 | 2 | 2 | 1 | 3 | 3 | 5 | 8 | 9 | 92 |
| 8 | 9 | 9 | 9 | 7 | 5 | 3 | 5 | 6 | 191 |
| 9 | 6 | 5 | 4 | 6 | 9 | 8 | 9 | 8 | 189 |
| 10 | 8 | 7 | 8 | 9 | 8 | 6 | 5 | 4 | 177 |
| 11 | 4 | 4 | 3 | 3 | 2 | 3 | 3 | 4 | 19 |
| 12 | 4 | 4 | 3 | 4 | 3 | 5 | 5 | 5 | 32 |
| 13 | 2 | 2 | 2 | 2 | 1 | 3 | 1 | 3 | 8 |
| 14 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 6 |
| 15 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 16 | 0 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 7 |
| 17 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 5 |
| 18 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 19 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 3 |
| 20 | 3 | 2 | 2 | 3 | 3 | 4 | 5 | 2 | 18 |
| 21 | 2 | 2 | 2 | 3 | 3 | 5 | 3 | 3 | 16 |
| 22 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 5 |
| 23 | 3 | 1 | 0 | 1 | 1 | 2 | 2 | 3 | 7 |
| 24 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 3 | 7 |
| 25 | 3 | 3 | 2 | 2 | 4 | 2 | 4 | 3 | 15 |
| 26 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 3 | 8 |
| 27 | 1 | 1 | 2 | 2 | 2 | 5 | 3 | 4 | 15 |
| 28 | 3 | 2 | 1 | 2 | 2 | 3 | 3 | 3 | 11 |
| 29 | 3 | 2 | 2 | 3 | 2 | 3 | 4 | 4 | 15 |
| 30 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 3 | 13 |
| Mean | | | | | | | | | 29.9 |

December

| Day | K | | | | | | | | Ak |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 3 | 8 |
| 2 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 2 |
| 3 | 0 | 0 | 1 | 2 | 1 | 1 | 2 | 1 | 3 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 4 | 2 | 2 | 2 | 1 | 2 | 7 |
| 6 | 2 | 2 | 3 | 3 | 5 | 3 | 5 | 4 | 23 |
| 7 | 3 | 2 | 2 | 2 | 2 | 3 | 4 | 3 | 13 |
| 8 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 4 | 12 |
| 9 | 2 | 0 | 1 | 2 | 2 | 2 | 3 | 2 | 7 |
| 10 | 2 | 2 | 1 | 2 | 2 | 3 | 3 | 3 | 10 |
| 11 | 1 | 1 | 2 | 1 | 4 | 3 | 4 | 5 | 17 |
| 12 | 4 | 4 | 3 | 3 | 3 | 6 | 3 | 2 | 25 |
| 13 | 4 | 3 | 2 | 1 | 1 | 1 | 0 | 0 | 7 |
| 14 | 0 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 5 |
| 15 | 2 | 1 | 1 | 0 | 1 | 3 | 2 | 3 | 7 |
| 16 | 2 | 3 | 2 | 1 | 3 | 3 | 5 | 5 | 20 |
| 17 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 4 | 17 |
| 18 | 4 | 2 | 2 | 2 | 3 | 2 | 3 | 1 | 11 |
| 19 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 2 |
| 20 | 2 | 0 | 1 | 1 | 2 | 0 | 1 | 2 | 4 |
| 21 | 1 | 1 | 3 | 3 | 1 | 2 | 4 | 3 | 11 |
| 22 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 14 |
| 23 | 2 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 8 |
| 24 | 1 | 0 | 1 | 1 | 1 | 3 | 1 | 1 | 4 |
| 25 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | 11 |
| 26 | 2 | 2 | 2 | 2 | 1 | 3 | 3 | 2 | 9 |
| 27 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 7 |
| 28 | 3 | 2 | 1 | 2 | 2 | 3 | 4 | 4 | 14 |
| 29 | 4 | 2 | 2 | 2 | 3 | 2 | 1 | 4 | 13 |
| 30 | 2 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 19 |
| 31 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 3 | 8 |
| Mean | | | | | | | | | 10.3 |

## 14.2 K-Indices Sequenced in Bartel's Solar Rotation Number

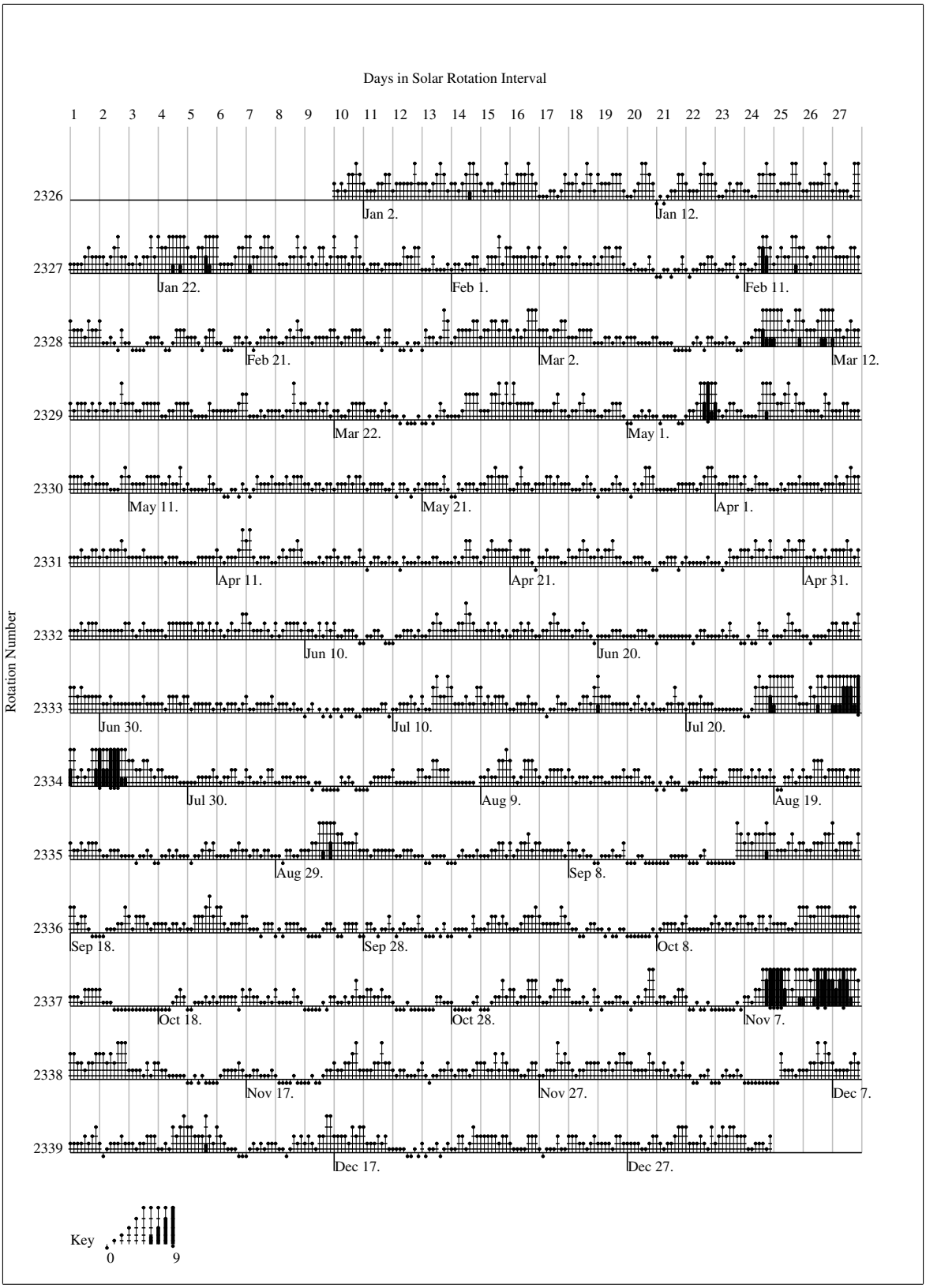



Figure 6: K-indices sequenced in Bartel's solar rotation number

## 14.3 Ak-Indices

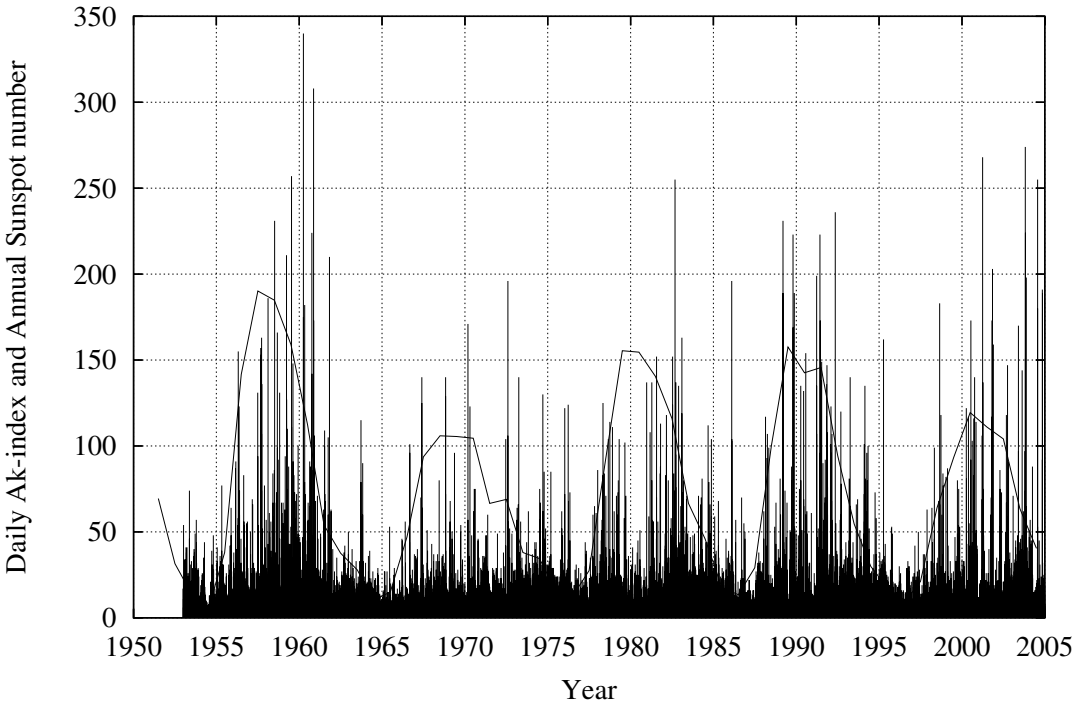



Figure 7: Daily Ak-indices (vertical lines) and sunspots (solid line)

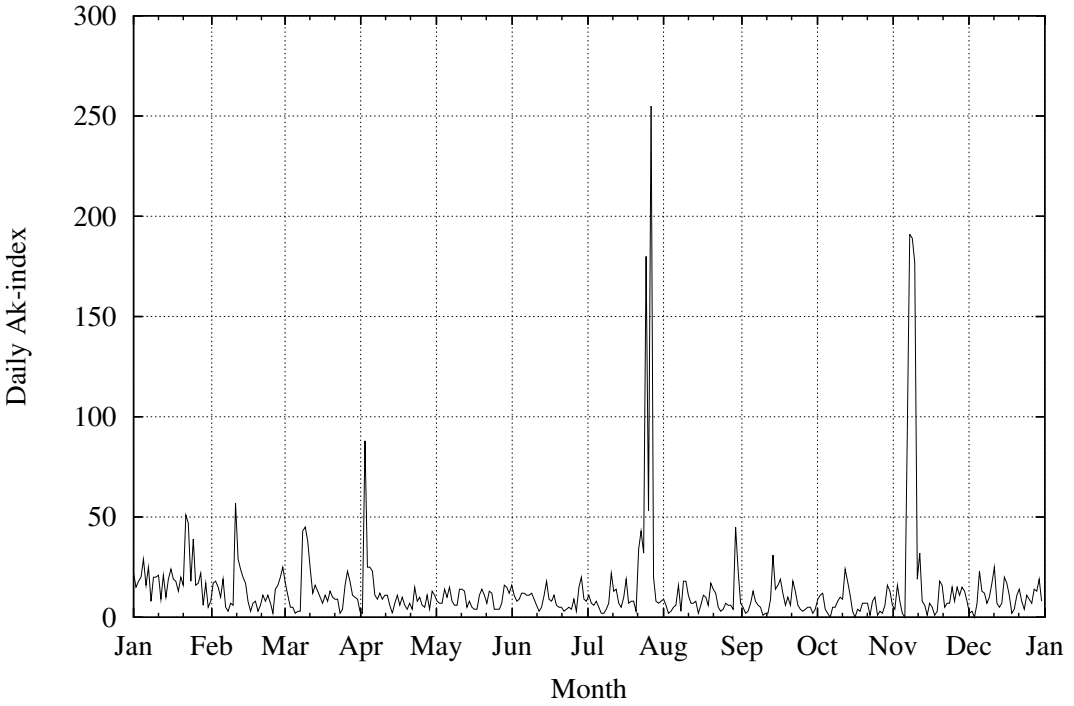



Figure 8: Daily Ak-indices

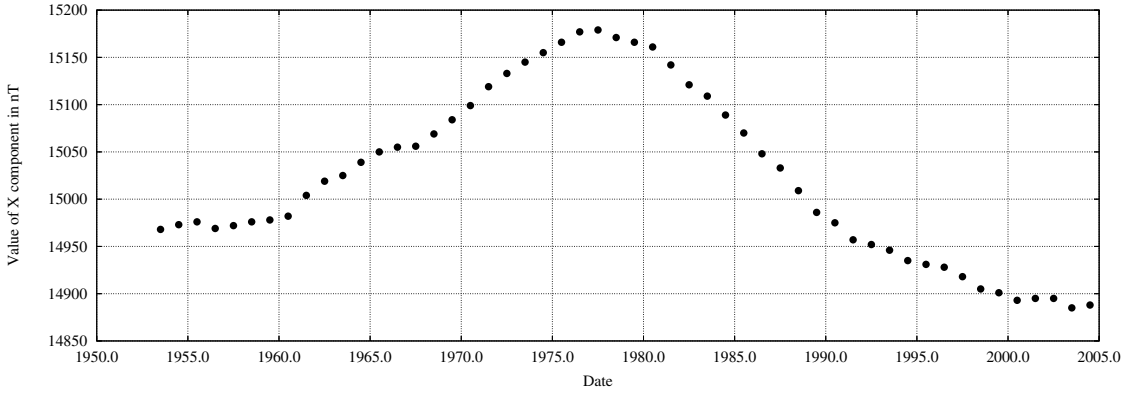
## 14.4 Table of Annual Ak-indices

m/M denotes sunspot minimum/maximum

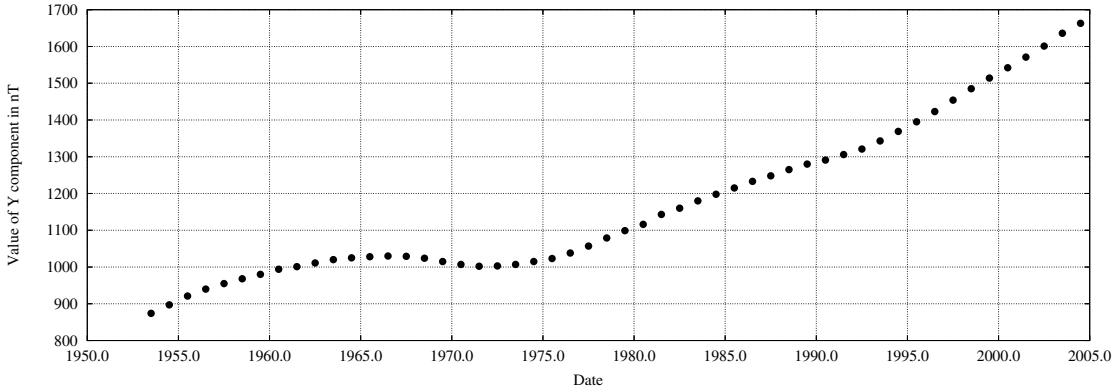
| Year | Ak |
|---|---|
| 1953 | 11 |
| 1954m | 8 |
| 1955 | 9 |
| 1956 | 14 |
| 1957M | 16 |
| 1958 | 18 |
| 1959 | 21 |
| 1960 | 22 |
| 1961 | 12 |
| 1962 | 10 |
| 1963 | 10 |
| 1964m | 8 |
| 1965 | 6 |
| 1966 | 8 |
| 1967 | 10 |
| 1968M | 11 |
| 1969 | 10 |
| 1970 | 10 |
| 1971 | 9 |
| 1972 | 10 |
| 1973 | 13 |
| 1974 | 15 |
| 1975 | 11 |
| 1976m | 10 |
| 1977 | 9 |
| 1978 | 13 |

| Year | Ak |
|---|---|
| 1979M | 12 |
| 1980 | 9 |
| 1981 | 13 |
| 1982 | 19 |
| 1983 | 15 |
| 1984 | 14 |
| 1985 | 10 |
| 1986m | 10 |
| 1987 | 8 |
| 1988 | 11 |
| 1989M | 16 |
| 1990 | 13 |
| 1991 | 21 |
| 1992 | 15 |
| 1993 | 13 |
| 1994 | 16 |
| 1995 | 11 |
| 1996m | 9 |
| 1997 | 8 |
| 1998 | 12 |
| 1999 | 12 |
| 2000M | 15 |
| 2001 | 14 |
| 2002 | 13 |
| 2003 | 22 |
| 2004 | 14 |

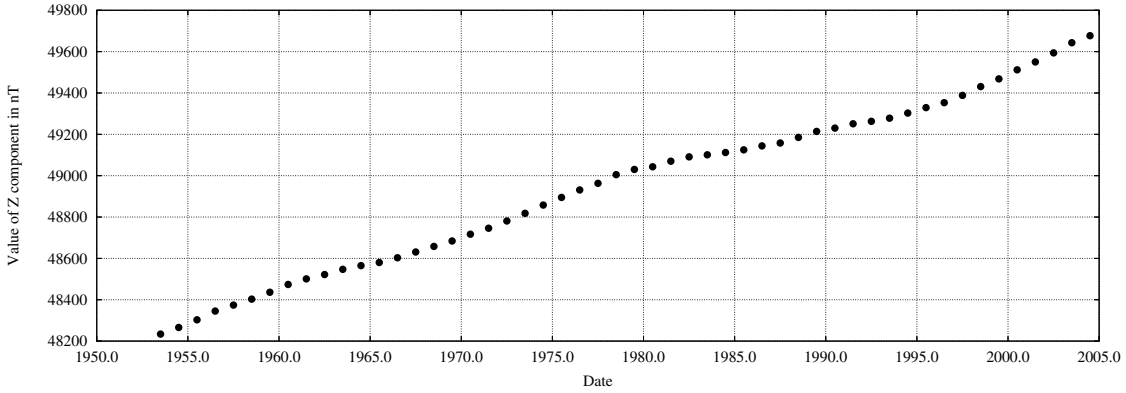
# 15 Annual Means




(a) Annual means for X component

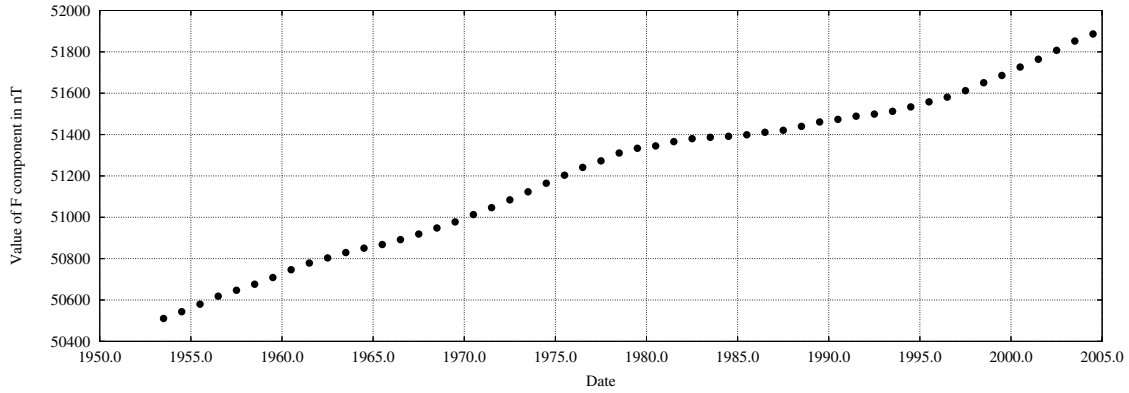



(b) Annual means for Y component

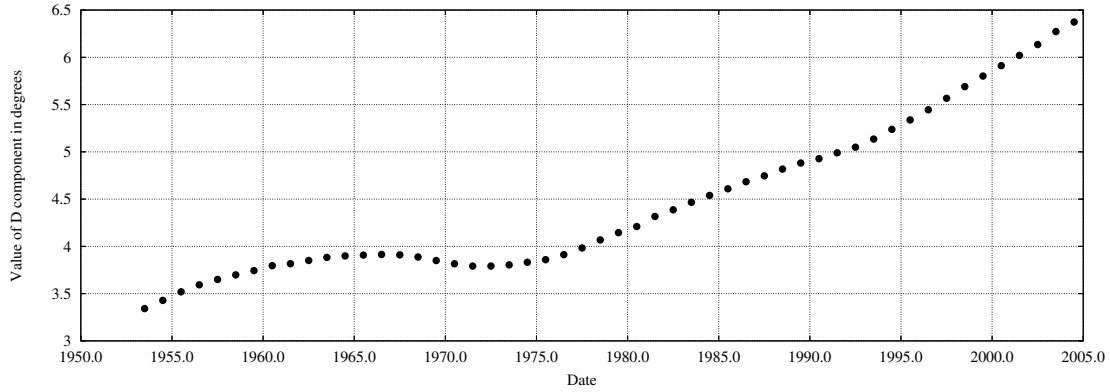



(c) Annual means for Z component

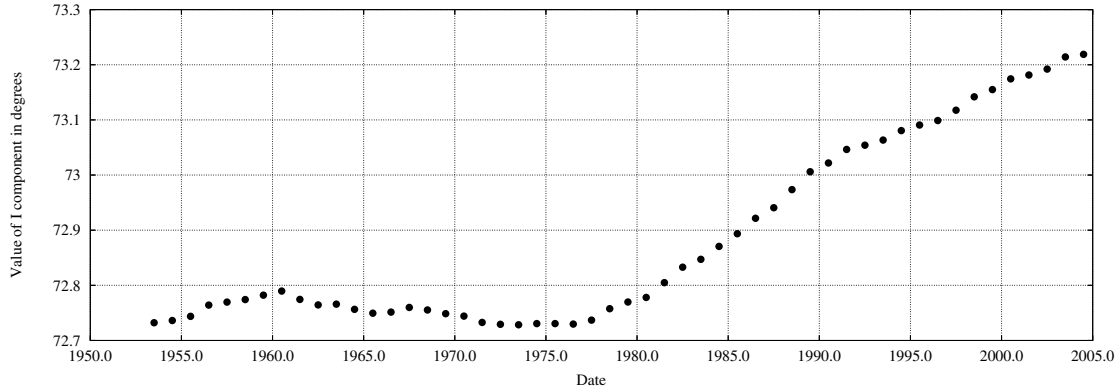
Figure 9: Figures of annual means of X, Y, and Z




(a) Annual means for F component



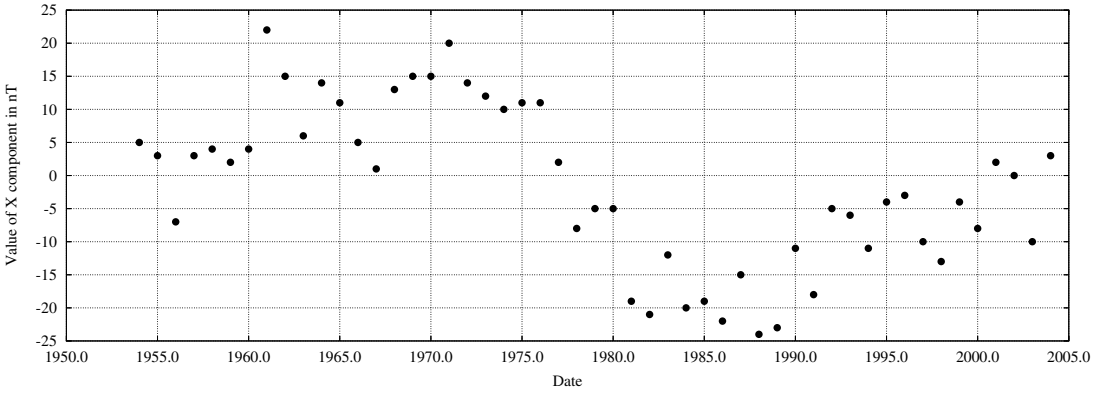

(b) Annual means for D component



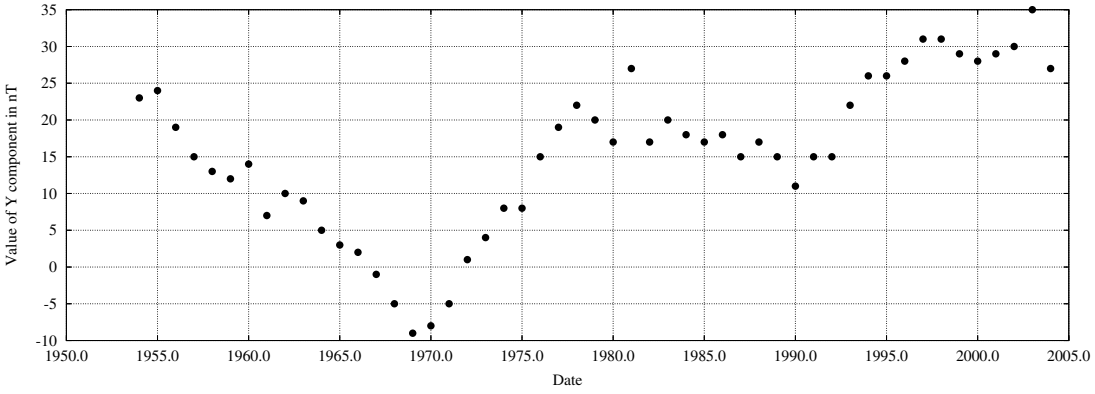

(c) Annual means for I component

Figure 10: Figures of annual means of F, D, and I

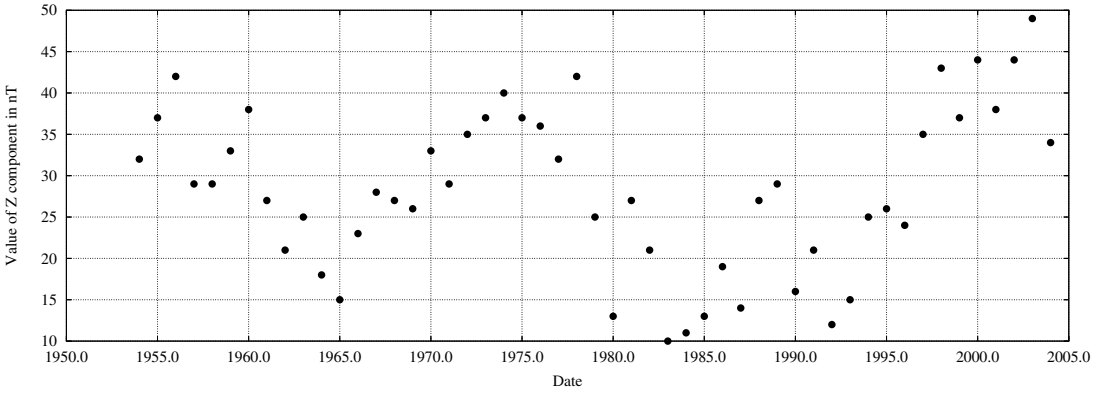
# 16 Secular Variation




(a) Annual change of X component

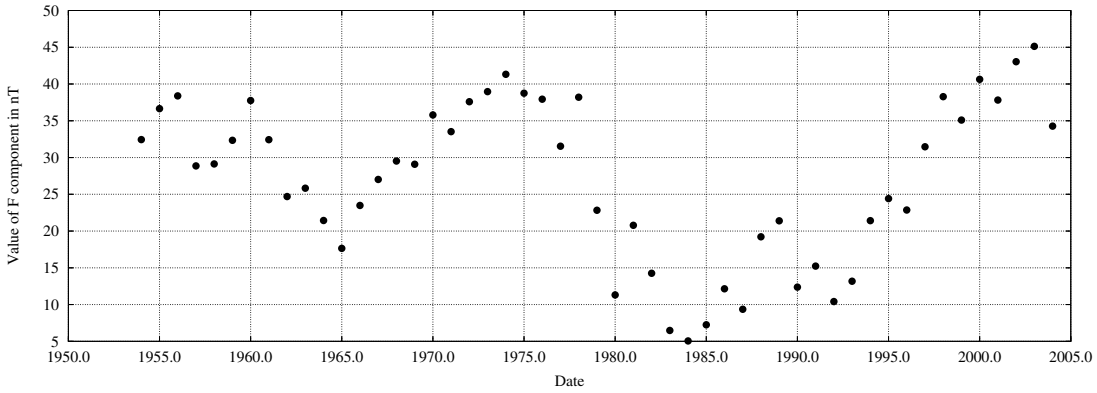



(b) Annual change of Y component

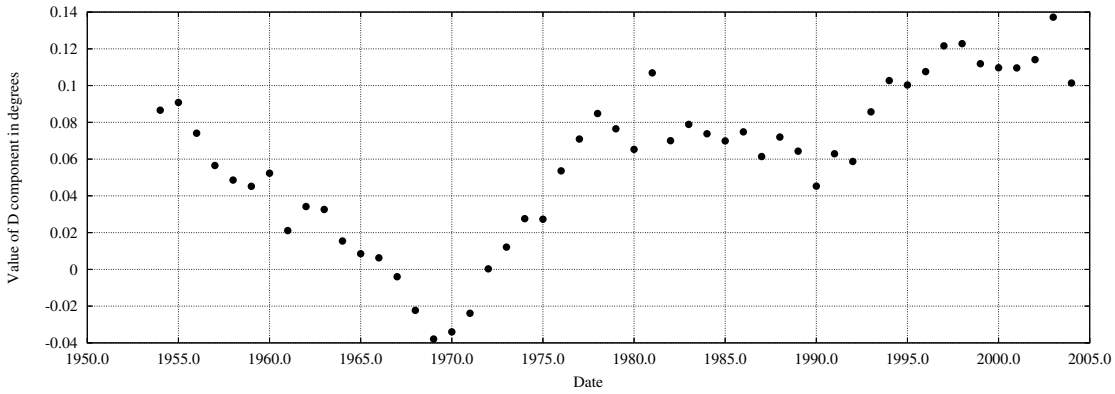



(c) Annual change of Z component

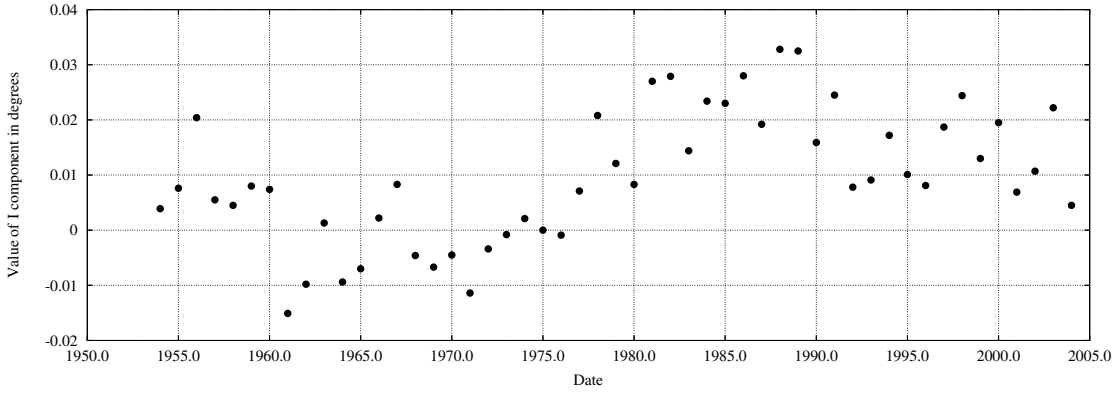
Figure 11: Annual change of components X, Y, and X




(a) Annual change of F component




(b) Annual change of D component




(c) Annual change of I component

Figure 12: Annual change of components F, D, and I

# 17 Tables of Annual Means

## 17.1 All Days

| Year | X | Y | Z | D | H | F | I |
|---|---|---|---|---|---|---|---|
| 1953 | 14968 | 874 | 48234 | 3° 20.5′ | 14993 | 50511 | 72° 43.9′ |
| 1954 | 14973 | 897 | 48266 | 3° 25.7′ | 15000 | 50543 | 72° 44.2′ |
| 1955 | 14976 | 921 | 48303 | 3° 31.1′ | 15004 | 50580 | 72° 44.6′ |
| 1956 | 14969 | 940 | 48345 | 3° 35.6′ | 14998 | 50618 | 72° 45.8′ |
| 1957 | 14972 | 955 | 48374 | 3° 39.0′ | 15002 | 50647 | 72° 46.2′ |
| 1958 | 14976 | 968 | 48403 | 3° 41.9′ | 15007 | 50676 | 72° 46.4′ |
| 1959 | 14978 | 980 | 48436 | 3° 44.6′ | 15010 | 50708 | 72° 46.9′ |
| 1960 | 14982 | 994 | 48474 | 3° 47.7′ | 15015 | 50746 | 72° 47.4′ |
| 1961 | 15004 | 1001 | 48501 | 3° 49.0′ | 15037 | 50779 | 72° 46.5′ |
| 1962 | 15019 | 1011 | 48522 | 3° 51.1′ | 15053 | 50803 | 72° 45.9′ |
| 1963 | 15025 | 1020 | 48547 | 3° 53.0′ | 15060 | 50829 | 72° 45.9′ |
| 1964 | 15039 | 1025 | 48565 | 3° 53.9′ | 15074 | 50851 | 72° 45.4′ |
| 1965 | 15050 | 1028 | 48580 | 3° 54.5′ | 15085 | 50868 | 72° 45.0′ |
| 1966 | 15055 | 1030 | 48603 | 3° 54.8′ | 15090 | 50892 | 72° 45.1′ |
| 1967 | 15056 | 1029 | 48631 | 3° 54.6′ | 15091 | 50919 | 72° 45.6′ |
| 1968 | 15069 | 1024 | 48658 | 3° 53.3′ | 15104 | 50948 | 72° 45.3′ |
| 1969 | 15084 | 1015 | 48684 | 3° 51.0′ | 15118 | 50977 | 72° 44.9′ |
| 1970 | 15099 | 1007 | 48717 | 3° 48.9′ | 15133 | 51013 | 72° 44.6′ |
| 1971 | 15119 | 1002 | 48746 | 3° 47.5′ | 15152 | 51047 | 72° 44.0′ |
| 1972 | 15133 | 1003 | 48781 | 3° 47.5′ | 15166 | 51084 | 72° 43.8′ |
| 1973 | 15145 | 1007 | 48818 | 3° 48.2′ | 15178 | 51123 | 72° 43.7′ |
| 1974 | 15155 | 1015 | 48858 | 3° 49.9′ | 15189 | 51165 | 72° 43.8′ |
| 1975 | 15166 | 1023 | 48895 | 3° 51.5′ | 15200 | 51203 | 72° 43.8′ |
| 1976 | 15177 | 1038 | 48931 | 3° 54.8′ | 15212 | 51241 | 72° 43.8′ |
| 1977 | 15179 | 1057 | 48963 | 3° 59.0′ | 15216 | 51273 | 72° 44.2′ |
| 1978 | 15171 | 1079 | 49005 | 4° 04.1′ | 15209 | 51311 | 72° 45.5′ |
| 1979 | 15166 | 1099 | 49030 | 4° 08.7′ | 15206 | 51334 | 72° 46.2′ |
| 1980 | 15161 | 1116 | 49043 | 4° 12.6′ | 15202 | 51345 | 72° 46.7′ |
| 1981 | 15142 | 1143 | 49070 | 4° 19.0′ | 15185 | 51366 | 72° 48.3′ |
| 1982 | 15121 | 1160 | 49091 | 4° 23.2′ | 15165 | 51380 | 72° 50.0′ |
| 1983 | 15109 | 1180 | 49101 | 4° 27.9′ | 15155 | 51387 | 72° 50.8′ |
| 1984 | 15089 | 1198 | 49112 | 4° 32.4′ | 15136 | 51392 | 72° 52.2′ |
| 1985 | 15070 | 1215 | 49125 | 4° 36.6′ | 15119 | 51399 | 72° 53.6′ |
| 1986 | 15048 | 1233 | 49144 | 4° 41.1′ | 15098 | 51411 | 72° 55.3′ |
| 1987 | 15033 | 1248 | 49158 | 4° 44.7′ | 15085 | 51420 | 72° 56.4′ |
| 1988 | 15009 | 1265 | 49185 | 4° 49.1′ | 15062 | 51440 | 72° 58.4′ |
| 1989 | 14986 | 1280 | 49214 | 4° 52.9′ | 15041 | 51461 | 73° 00.4′ |
| 1990 | 14975 | 1291 | 49230 | 4° 55.6′ | 15031 | 51473 | 73° 01.3′ |
| 1991 | 14957 | 1306 | 49251 | 4° 59.4′ | 15014 | 51489 | 73° 02.8′ |
| 1992 | 14952 | 1321 | 49263 | 5° 02.9′ | 15010 | 51499 | 73° 03.3′ |
| 1993 | 14946 | 1343 | 49278 | 5° 08.1′ | 15006 | 51512 | 73° 03.8′ |
| 1994 | 14935 | 1369 | 49303 | 5° 14.2′ | 14998 | 51534 | 73° 04.8′ |
| 1995 | 14931 | 1395 | 49329 | 5° 20.3′ | 14996 | 51558 | 73° 05.4′ |
| 1996 | 14928 | 1423 | 49353 | 5° 26.7′ | 14996 | 51581 | 73° 05.9′ |
| 1997 | 14918 | 1454 | 49388 | 5° 34.0′ | 14989 | 51612 | 73° 07.1′ |
| 1998 | 14905 | 1485 | 49431 | 5° 41.4′ | 14979 | 51651 | 73° 08.5′ |
| 1999 | 14901 | 1514 | 49468 | 5° 48.1′ | 14978 | 51686 | 73° 09.3′ |
| 2000 | 14893 | 1542 | 49512 | 5° 54.7′ | 14973 | 51726 | 73° 10.5′ |
| 2001 | 14895 | 1571 | 49550 | 6° 01.2′ | 14978 | 51764 | 73° 10.9′ |
| 2002 | 14895 | 1601 | 49594 | 6° 08.1′ | 14981 | 51807 | 73° 11.5′ |
| 2003 | 14885 | 1636 | 49643 | 6° 16.3′ | 14975 | 51852 | 73° 12.9′ |
| 2004 | 14888 | 1663 | 49677 | 6° 22.4′ | 14981 | 51887 | 73° 13.1′ |

## 17.2 Quiet Days

| Year | X | Y | Z | D | H | F | I |
|---|---|---|---|---|---|---|---|
| 1953 | 14975 | 872 | 48235 | 3° 20.0′ | 15000 | 50514 | 72° 43.5′ |
| 1954 | 14977 | 895 | 48266 | 3° 25.2′ | 15004 | 50544 | 72° 43.9′ |
| 1955 | 14980 | 919 | 48302 | 3° 30.6′ | 15008 | 50580 | 72° 44.4′ |
| 1956 | 14978 | 936 | 48343 | 3° 34.6′ | 15007 | 50619 | 72° 45.2′ |
| 1957 | 14978 | 951 | 48372 | 3° 38.0′ | 15008 | 50647 | 72° 45.8′ |
| 1958 | 14984 | 965 | 48400 | 3° 41.1′ | 15015 | 50676 | 72° 45.9′ |
| 1959 | 14986 | 976 | 48433 | 3° 43.6′ | 15018 | 50708 | 72° 46.4′ |
| 1960 | 14993 | 989 | 48474 | 3° 46.4′ | 15026 | 50749 | 72° 46.7′ |
| 1962 | 15022 | 1009 | 48523 | 3° 50.6′ | 15056 | 50805 | 72° 45.7′ |
| 1963 | 15032 | 1018 | 48547 | 3° 52.5′ | 15066 | 50831 | 72° 45.5′ |
| 1964 | 15042 | 1024 | 48566 | 3° 53.7′ | 15077 | 50852 | 72° 45.2′ |
| 1965 | 15051 | 1027 | 48581 | 3° 54.2′ | 15086 | 50869 | 72° 44.9′ |
| 1966 | 15059 | 1028 | 48602 | 3° 54.3′ | 15094 | 50892 | 72° 44.8′ |
| 1967 | 15062 | 1028 | 48630 | 3° 54.3′ | 15097 | 50920 | 72° 45.2′ |
| 1968 | 15073 | 1022 | 48657 | 3° 52.7′ | 15108 | 50948 | 72° 45.1′ |
| 1969 | 15089 | 1013 | 48684 | 3° 50.4′ | 15123 | 50979 | 72° 44.6′ |
| 1970 | 15104 | 1005 | 48715 | 3° 48.4′ | 15137 | 51013 | 72° 44.3′ |
| 1971 | 15124 | 1001 | 48746 | 3° 47.2′ | 15157 | 51048 | 72° 43.6′ |
| 1972 | 15139 | 1001 | 48780 | 3° 47.0′ | 15172 | 51085 | 72° 43.4′ |
| 1973 | 15151 | 1004 | 48819 | 3° 47.5′ | 15184 | 51126 | 72° 43.4′ |
| 1974 | 15162 | 1012 | 48859 | 3° 49.1′ | 15196 | 51167 | 72° 43.4′ |
| 1975 | 15171 | 1020 | 48896 | 3° 50.8′ | 15205 | 51206 | 72° 43.5′ |
| 1976 | 15182 | 1035 | 48930 | 3° 54.0′ | 15217 | 51242 | 72° 43.5′ |
| 1977 | 15184 | 1054 | 48963 | 3° 58.2′ | 15221 | 51274 | 72° 43.9′ |
| 1978 | 15178 | 1075 | 49003 | 4° 03.1′ | 15216 | 51311 | 72° 45.0′ |
| 1979 | 15171 | 1096 | 49028 | 4° 07.9′ | 15211 | 51333 | 72° 45.8′ |
| 1980 | 15163 | 1115 | 49042 | 4° 12.3′ | 15204 | 51345 | 72° 46.5′ |
| 1981 | 15148 | 1140 | 49067 | 4° 18.2′ | 15191 | 51365 | 72° 47.9′ |
| 1982 | 15128 | 1157 | 49090 | 4° 22.4′ | 15172 | 51381 | 72° 49.5′ |
| 1983 | 15115 | 1176 | 49101 | 4° 26.9′ | 15161 | 51388 | 72° 50.5′ |
| 1984 | 15095 | 1195 | 49113 | 4° 31.6′ | 15142 | 51394 | 72° 51.9′ |
| 1985 | 15076 | 1212 | 49125 | 4° 35.8′ | 15125 | 51401 | 72° 53.2′ |
| 1986 | 15055 | 1230 | 49144 | 4° 40.2′ | 15105 | 51413 | 72° 54.9′ |
| 1987 | 15037 | 1246 | 49158 | 4° 44.2′ | 15089 | 51422 | 72° 56.2′ |
| 1988 | 15014 | 1262 | 49182 | 4° 48.3′ | 15067 | 51438 | 72° 58.1′ |
| 1989 | 14995 | 1276 | 49213 | 4° 51.8′ | 15049 | 51463 | 72° 59.8′ |
| 1990 | 14982 | 1288 | 49227 | 4° 54.8′ | 15037 | 51472 | 73° 00.8′ |
| 1991 | 14965 | 1302 | 49248 | 4° 58.3′ | 15022 | 51488 | 73° 02.2′ |
| 1992 | 14959 | 1318 | 49261 | 5° 02.1′ | 15017 | 51499 | 73° 02.8′ |
| 1993 | 14952 | 1341 | 49277 | 5° 07.5′ | 15012 | 51513 | 73° 03.4′ |
| 1994 | 14944 | 1365 | 49304 | 5° 13.1′ | 15006 | 51537 | 73° 04.3′ |
| 1995 | 14937 | 1392 | 49328 | 5° 19.4′ | 15002 | 51559 | 73° 05.1′ |
| 1996 | 14934 | 1421 | 49353 | 5° 26.1′ | 15001 | 51583 | 73° 05.6′ |
| 1997 | 14923 | 1452 | 49388 | 5° 33.4′ | 14993 | 51614 | 73° 06.7′ |
| 1998 | 14910 | 1484 | 49431 | 5° 41.0′ | 14984 | 51652 | 73° 08.2′ |
| 1999 | 14905 | 1512 | 49467 | 5° 47.5′ | 14981 | 51686 | 73° 09.0′ |
| 2000 | 14900 | 1540 | 49510 | 5° 54.1′ | 14979 | 51726 | 73° 10.0′ |
| 2001 | 14901 | 1569 | 49548 | 6° 00.6′ | 14983 | 51764 | 73° 10.5′ |
| 2002 | 14901 | 1599 | 49593 | 6° 07.5′ | 14987 | 51808 | 73° 11.1′ |
| 2003 | 14896 | 1632 | 49644 | 6° 15.1′ | 14985 | 51856 | 73° 12.2′ |
| 2004 | 14894 | 1660 | 49677 | 6° 21.6′ | 14986 | 51888 | 73° 12.8′ |

## 17.3 Disturbed Days

| Year | X | Y | Z | D | H | F | I |
|---|---|---|---|---|---|---|---|
| 1953 | 14959 | 879 | 48230 | 3° 21.8′ | 14985 | 50504 | 72° 44.4′ |
| 1954 | 14968 | 899 | 48264 | 3° 26.2′ | 14995 | 50540 | 72° 44.4′ |
| 1955 | 14967 | 924 | 48301 | 3° 32.0′ | 14995 | 50575 | 72° 45.2′ |
| 1956 | 14952 | 945 | 48344 | 3° 37.0′ | 14982 | 50612 | 72° 46.9′ |
| 1957 | 14959 | 961 | 48376 | 3° 40.5′ | 14990 | 50645 | 72° 47.0′ |
| 1958 | 14958 | 974 | 48407 | 3° 43.5′ | 14990 | 50675 | 72° 47.7′ |
| 1959 | 14963 | 986 | 48439 | 3° 46.2′ | 14995 | 50707 | 72° 47.9′ |
| 1960 | 14960 | 1004 | 48468 | 3° 50.4′ | 14994 | 50734 | 72° 48.6′ |
| 1961 | 14992 | 1005 | 48498 | 3° 50.1′ | 15026 | 50772 | 72° 47.2′ |
| 1962 | 15013 | 1013 | 48522 | 3° 51.6′ | 15047 | 50802 | 72° 46.3′ |
| 1963 | 15014 | 1025 | 48543 | 3° 54.3′ | 15049 | 50822 | 72° 46.6′ |
| 1964 | 15035 | 1027 | 48564 | 3° 54.5′ | 15070 | 50848 | 72° 45.6′ |
| 1965 | 15044 | 1030 | 48580 | 3° 55.0′ | 15079 | 50866 | 72° 45.3′ |
| 1966 | 15046 | 1033 | 48602 | 3° 55.7′ | 15081 | 50888 | 72° 45.6′ |
| 1967 | 15042 | 1034 | 48630 | 3° 55.9′ | 15077 | 50914 | 72° 46.5′ |
| 1968 | 15061 | 1028 | 48659 | 3° 54.3′ | 15096 | 50947 | 72° 45.8′ |
| 1969 | 15074 | 1019 | 48684 | 3° 52.0′ | 15108 | 50974 | 72° 45.5′ |
| 1970 | 15089 | 1011 | 48721 | 3° 50.0′ | 15123 | 51014 | 72° 45.4′ |
| 1971 | 15111 | 1006 | 48746 | 3° 48.5′ | 15144 | 51044 | 72° 44.5′ |
| 1972 | 15122 | 1007 | 48780 | 3° 48.6′ | 15155 | 51080 | 72° 44.4′ |
| 1973 | 15133 | 1013 | 48816 | 3° 49.8′ | 15167 | 51118 | 72° 44.4′ |
| 1974 | 15147 | 1019 | 48857 | 3° 50.9′ | 15181 | 51161 | 72° 44.3′ |
| 1975 | 15157 | 1027 | 48892 | 3° 52.6′ | 15192 | 51198 | 72° 44.3′ |
| 1976 | 15166 | 1042 | 48931 | 3° 55.8′ | 15202 | 51238 | 72° 44.5′ |
| 1977 | 15169 | 1061 | 48962 | 4° 00.1′ | 15206 | 51269 | 72° 44.8′ |
| 1978 | 15158 | 1086 | 49006 | 4° 05.9′ | 15197 | 51308 | 72° 46.3′ |
| 1979 | 15158 | 1103 | 49031 | 4° 09.7′ | 15198 | 51332 | 72° 46.7′ |
| 1980 | 15153 | 1120 | 49046 | 4° 13.6′ | 15194 | 51346 | 72° 47.2′ |
| 1981 | 15133 | 1146 | 49073 | 4° 19.8′ | 15176 | 51366 | 72° 48.9′ |
| 1982 | 15106 | 1166 | 49089 | 4° 24.8′ | 15151 | 51374 | 72° 50.9′ |
| 1983 | 15099 | 1184 | 49099 | 4° 29.0′ | 15145 | 51382 | 72° 51.4′ |
| 1984 | 15078 | 1203 | 49108 | 4° 33.7′ | 15126 | 51385 | 72° 52.8′ |
| 1985 | 15061 | 1219 | 49124 | 4° 37.6′ | 15110 | 51395 | 72° 54.1′ |
| 1986 | 15037 | 1237 | 49141 | 4° 42.2′ | 15088 | 51405 | 72° 55.9′ |
| 1987 | 15027 | 1250 | 49161 | 4° 45.3′ | 15079 | 51422 | 72° 56.9′ |
| 1988 | 15001 | 1268 | 49186 | 4° 49.9′ | 15054 | 51438 | 72° 58.9′ |
| 1989 | 14968 | 1287 | 49212 | 4° 54.9′ | 15023 | 51454 | 73° 01.4′ |
| 1990 | 14964 | 1296 | 49232 | 4° 57.0′ | 15020 | 51472 | 73° 02.0′ |
| 1991 | 14942 | 1313 | 49257 | 5° 01.3′ | 15000 | 51490 | 73° 03.8′ |
| 1992 | 14943 | 1324 | 49264 | 5° 03.8′ | 15002 | 51497 | 73° 03.8′ |
| 1993 | 14937 | 1348 | 49277 | 5° 09.4′ | 14998 | 51509 | 73° 04.3′ |
| 1994 | 14924 | 1373 | 49300 | 5° 15.4′ | 14987 | 51528 | 73° 05.5′ |
| 1995 | 14924 | 1398 | 49328 | 5° 21.1′ | 14989 | 51555 | 73° 05.9′ |
| 1996 | 14923 | 1425 | 49350 | 5° 27.3′ | 14991 | 51577 | 73° 06.2′ |
| 1997 | 14909 | 1457 | 49388 | 5° 34.9′ | 14980 | 51610 | 73° 07.6′ |
| 1998 | 14893 | 1489 | 49431 | 5° 42.6′ | 14967 | 51647 | 73° 09.3′ |
| 1999 | 14891 | 1517 | 49468 | 5° 49.0′ | 14968 | 51683 | 73° 09.9′ |
| 2000 | 14878 | 1547 | 49514 | 5° 56.2′ | 14958 | 51724 | 73° 11.4′ |
| 2001 | 14880 | 1576 | 49554 | 6° 02.8′ | 14963 | 51764 | 73° 11.9′ |
| 2002 | 14886 | 1604 | 49594 | 6° 09.0′ | 14972 | 51805 | 73° 12.1′ |
| 2003 | 14866 | 1643 | 49641 | 6° 18.4′ | 14957 | 51845 | 73° 14.0′ |
| 2004 | 14875 | 1669 | 49675 | 6° 24.1′ | 14968 | 51881 | 73° 13.9′ |

# 18 Earth's Magnetic Field Maps of Finland 2005.0

The isolines of total field (F) and horizontal field (H) are given in nanoteslas (nT), declination (D, positive eastwards) and inclination (I, positive downwards) in degrees of arc (see also www.geo.fmi.fi/MAGN/magncharts.html)

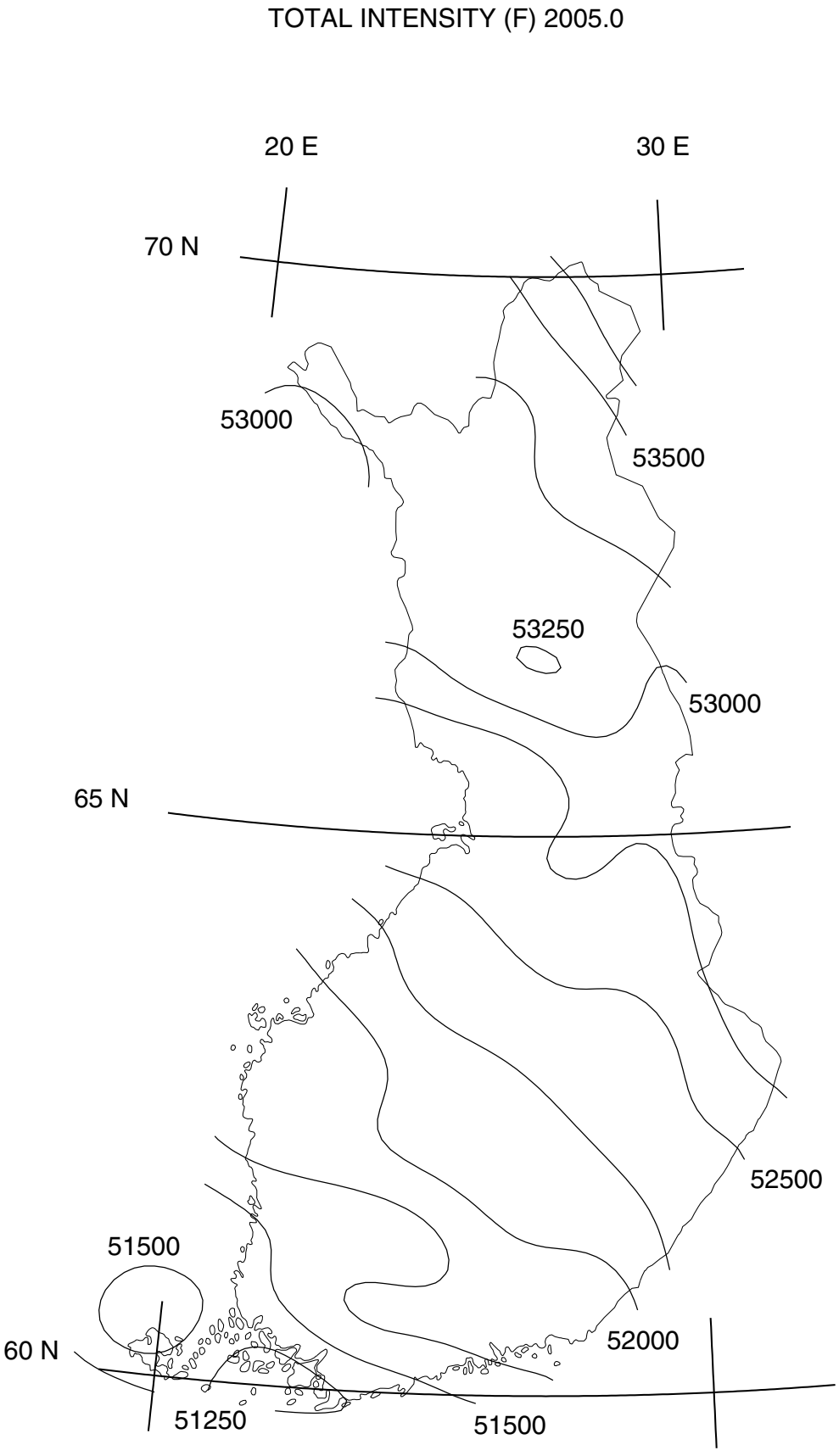



Figure 13: Total intensity F 2005.0 in nT

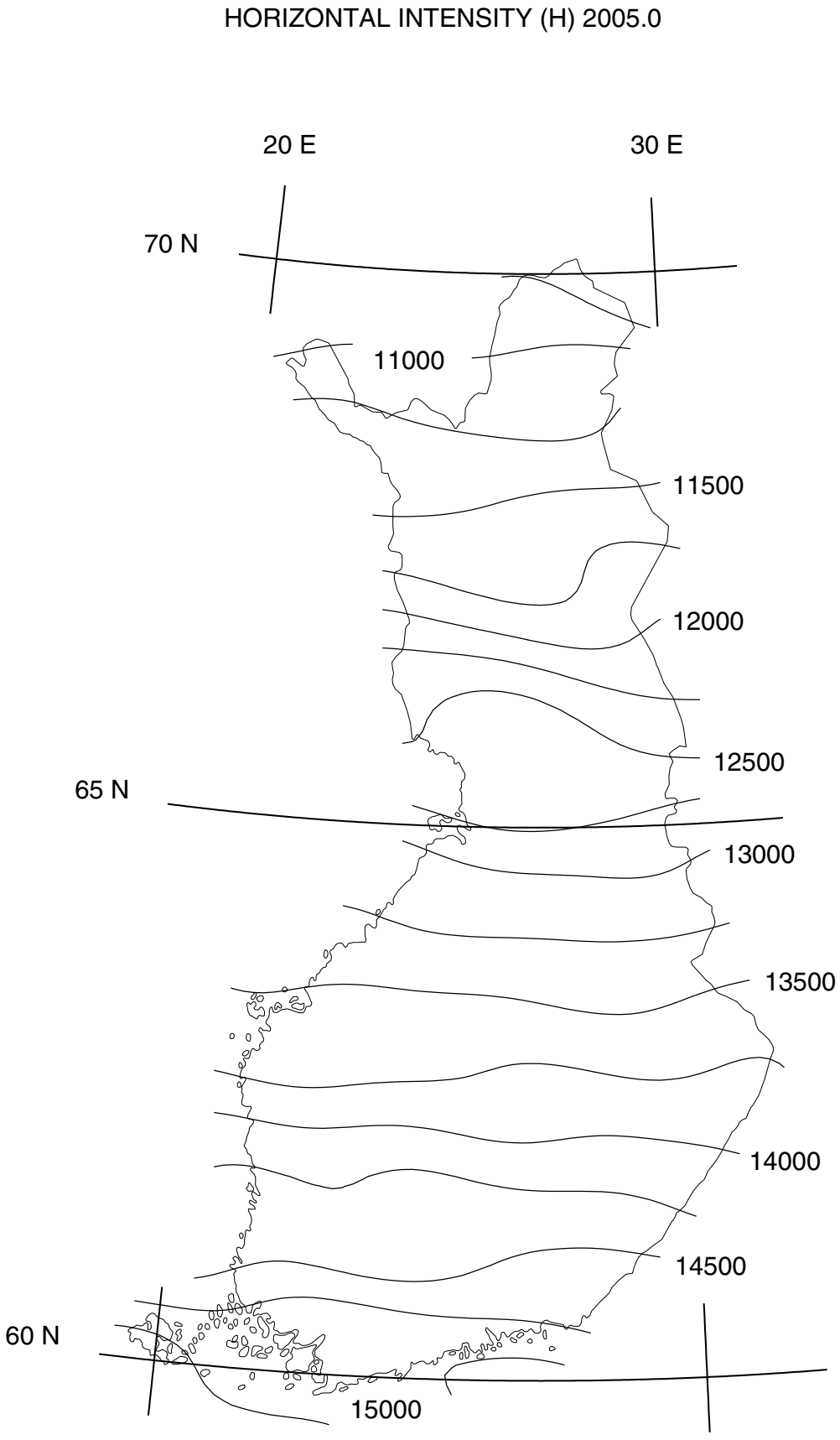



Figure 14: Horizontal intensity H 2005.0 in nT

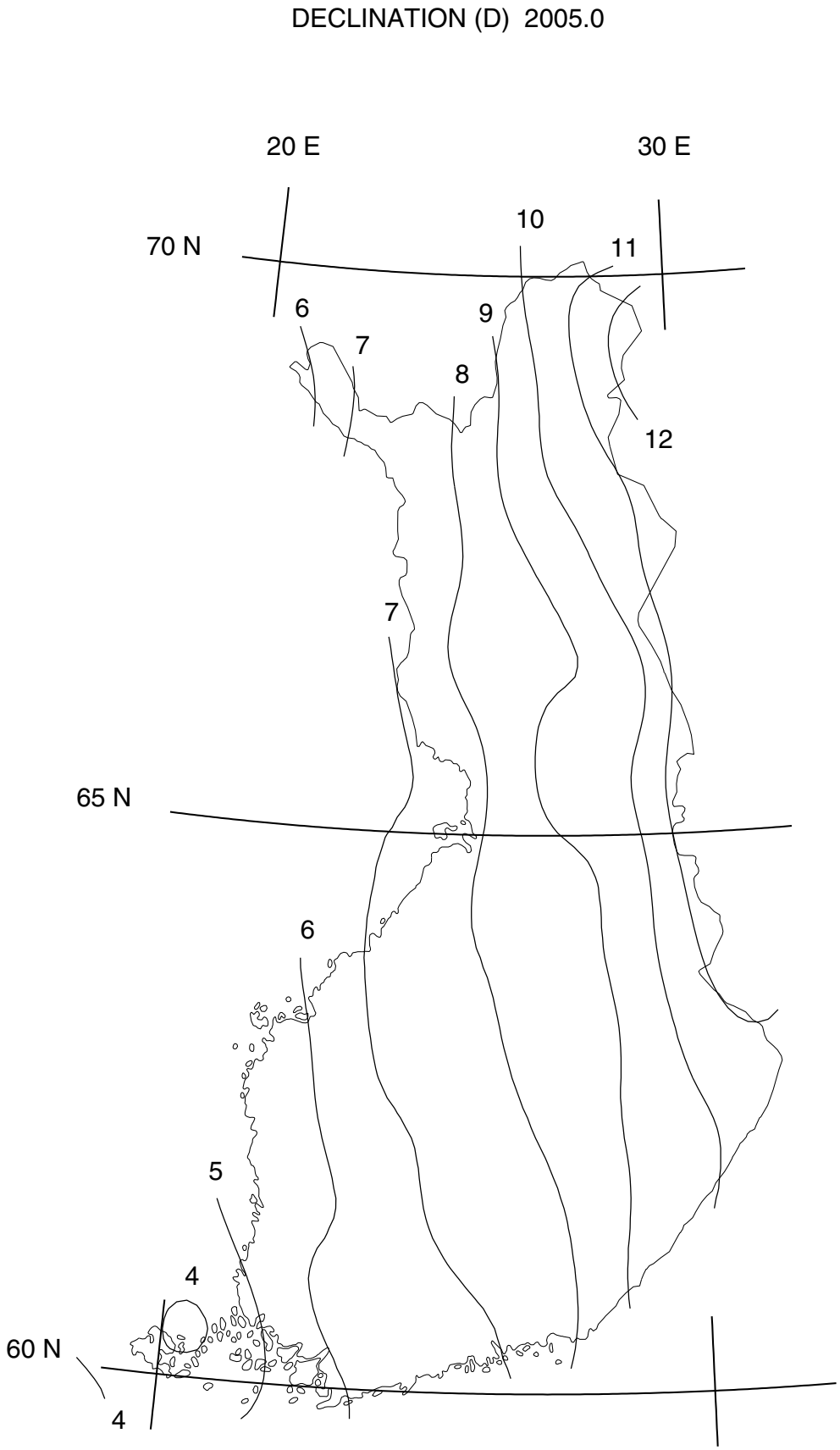



Figure 15: Declination D 2005.0 in degreees

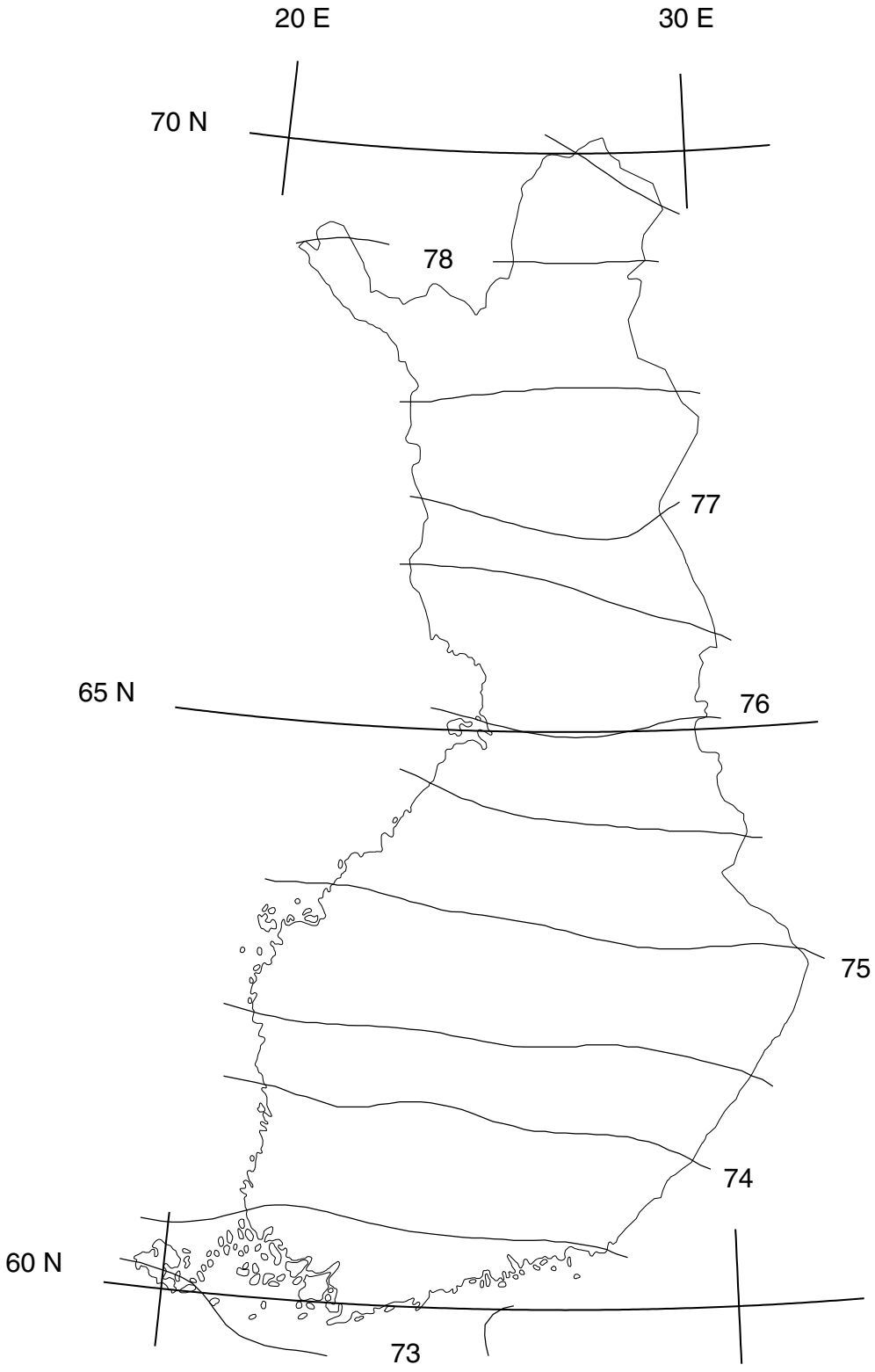



Figure 16: Inclination I 2005.0 in degrees

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